

## FAX COVER SHEET

FROM: ED TROTTER

FAX NO. 435-789-1420

TELEPHONE NO. 435-789-4120

TO: UDOG & M

FAX NO. 801-359-3940

ATTENTION: LESHA CORDOVA

DATE: 6-29-2001

TOTAL NUMBER OF PAGES INCLUDING COVER PAGE: 1 2 3

All information contained in this facsimile is confidential and is solely directed to the above named recipient. If you receive this fax in error, or there is a problem with the transmission, please call: 1-435-789-4120. Thank you.

Lesha,

Attached are copies of the Sundries I have submitted to the BLM for the Moon Ridge 31-21 and Moon Ridge 31-21X. The BLM has advised me that they will need an API number from you for the new well.

Thank you,

AREA CODE 303  
PHONE 220-7772

FAX  
220-7773

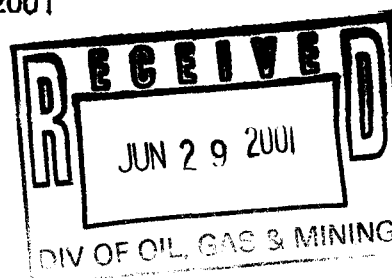
## National Fuel Corporation

7720 EAST BELLEVIEW AVENUE, #B-300  
ENGLEWOOD, COLORADO 80111



June 29, 2001

Ms. Lisha Cordova  
State of Utah  
Division of Oil, Gas and Mining  
1594 West North Temple, Suite 1210  
P.O. Box 145801  
Salt Lake City, Utah 84114-5801



RE: Consent to Exception Location  
Moon Ridge Federal 31-21X  
NW/4NE/4 of Section 21-16S-21E  
Grand County, Utah

Dear Lisha:

This letter will evidence National Fuel Corporation's written consent to EOG Resources, Inc.'s plans to skid the drilling rig from the Moon Ridge Federal 31-21 location to redrill this well (renamed the Moon Ridge Federal 31-21X) at a new surveyed location 1,077' FNL, 1,770' FEL (NW/4NE/4) of Section 21-16S-21E, SLM, Grand County, Utah, as an exception location

If you have any questions or need anything further, please contact the undersigned.

Yours very truly,

NATIONAL FUEL CORPORATION

Brenda Mayland

cc: Toni Miller – EOG Resources, Inc.

AREA CODE 303  
PHONE 220-7772

FAX  
220-7773

## National Fuel Corporation

7720 EAST BELLEVIEW AVENUE, #B-300  
ENGLEWOOD, COLORADO 80111



### FACSIMILE TRANSMITTAL SHEET

DATE: 6-29-01

TO: Lisha Cordova

COMPANY: Utah Div. of OGM

RE: Consent

FROM: Brenda

Phone: (303)220-7772; Fax: (303)220-7773

No. of pages (including this sheet): 2

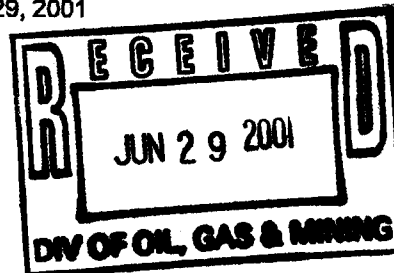
COMMENTS:



**EOG Resources, Inc.**  
600 Seventeenth Street  
Suite 1100N  
Denver, CO 80202  
(303) 572-9000  
Fax: (303) 624-5400

June 29, 2001

Ms. Lisha Cordova  
State of Utah  
Division of Oil, Gas and Mining  
1594 West North Temple, Suite 1210  
P.O. Box 145801  
Salt Lake City, Utah 84114-5801



RE: Exception Location Request  
Moon Ridge Federal 31-21X  
NW/4NE/4 of Section 21-16S-21E  
Grand County, Utah

Dear Lisha:

Reference is made to the Moon Ridge Federal 31-21 well which was originally permitted by National Fuel Corporation, then taken over and drilled by EOG Resources, Inc. (EOG), the current approved operator, at a location 1,052' FNL, 1753' FEL (NW/4NE/4) of Section 21-16S-21E, SLM, Grand County, Utah. As a result of mechanical difficulties, EOG will have to P&A said well and is planning to skid the drilling rig approximately 30' southwest sometime this weekend to redrill this well.

As we discussed during our telephone conversation this afternoon, EOG plans to redrill this well (renamed the Moon Ridge Federal 31-21X) at a new surveyed location 1,077' FNL, 1,770' FEL (NW/4NE/4) of Section 21-16S-21E, SLM, Grand County, Utah (see copy of survey plat enclosed). This new well location, like the original location, is not within the legal window prescribed in General Rule R649-3-2 due to topographic reasons.

At the aforementioned surveyed location, the Moon Ridge Federal 31-21X is not closer than 920' to any other wells. Within a 460' radius of said location, EOG is the only operator and National Fuel Corporation is the only owner under Federal Lease UTU-72365 which covers All of Section 21-16S-21E, SLM, Grand County, Utah, and other lands.

If you have any questions or need anything further, please contact the undersigned. Otherwise, we respectfully request your immediate approval of EOG's request to skid the rig and drill at this new exception location.

Yours very truly,

EOG RESOURCES, INC.

Toni Lei Miller  
Project Landman

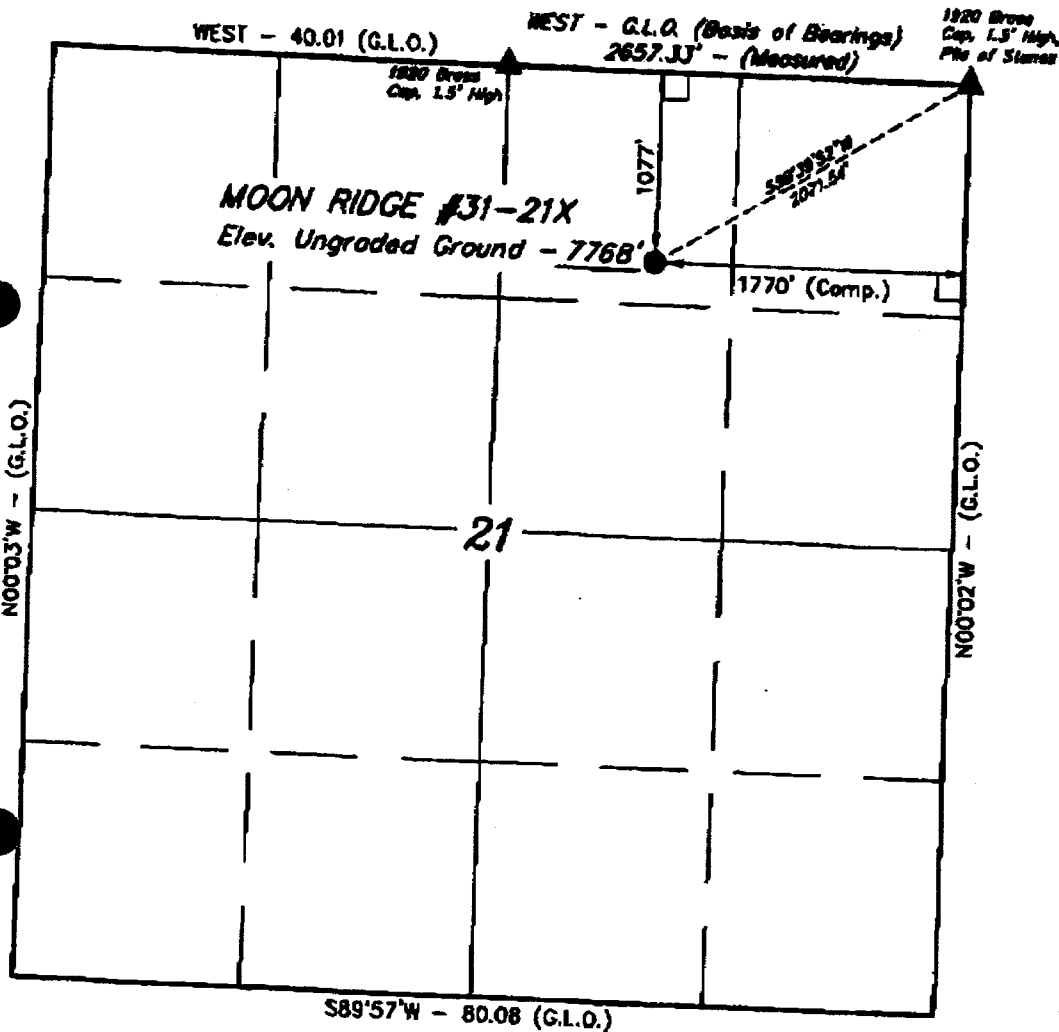
TLM/kse  
enclosures  
(m:\tjm\june\Utahltr.doc)

cc: Ed Trotter - EOG  
Jim R. Schaefer - EOG

Bob Davis - EOG  
Jim Brothers - National Fuel

**energy opportunity growth**

T16S, R21E, S.L.B.&M.

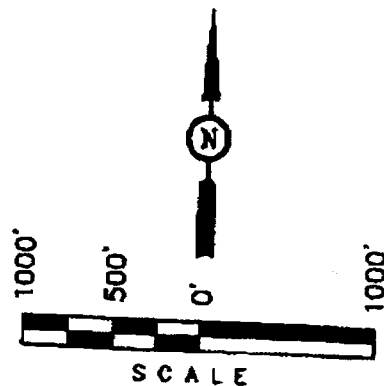


# NATIONAL FUEL CORPORATION

Well Location, MOON RIDGE #31-21X, located as shown in the NW 1/4 NE 1/4 of Section 21, T16S, R21E, S.L.B.&M. Grand County, Utah.

## BASIS OF ELEVATION

SPOT ELEVATION AT AN OIL WELL LOCATED IN THE NE 1/4 OF SECTION 15, T16S, R21E, S.L.B.&M. TAKEN FROM THE TENMILE CANYON NORTH QUADRANGLE, UTA-1, GRAND COUNTY, 7.5 MINUTE SERIES (TOPOGRAPHICAL MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 7620 FEET.



## CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

REGISTERED LAND SURVEYOR  
REGISTRATION NO. 16130  
STATE OF UTAH

REVISED: 6-29-01 D.COX

UINTAH ENGINEERING & LAND SURVEYING  
86 SOUTH 200 EAST - VERNAL, UTAH 84078  
(435) 789-1017

SCALE 1" = 1000'	DATE SURVEYED: 4-28-00	DATE DRAWN: 5-15-00
PARTY K.K. B.H. G.S. D.COX	REFERENCES G.L.O. PLAT	
WEATHER WARM	FILE NATIONAL FUEL CORPORATION	

## LEGEND:

- = 90° SYMBOL
- = PROPOSED WELL HEAD.
- = SECTION CORNERS LOCATED.

LATITUDE = 39°24'21" (39.405833)  
LONGITUDE = 109°36'14" (109.603889)



**EOG Resources, Inc.**  
600 Seventeenth St., Ste. 1100 N  
Denver, CO 80202  
(303) 572-9000  
Fax (303) 824-5400

TO: Lisha Cordova FROM: Toni Miller

COMPANY: Division of Oil, Gas and Mining - State of Utah CO/DEPT: EOG Resources, Inc.

FAX #: (801) 359-3940 PHONE#: (303) 572-9000

FAX #: (303) 824-5401

TOTAL NUMBER OF PAGES (including this page) 6 DATE: June 29, 2001

If you do not receive this transmission in its entirety, please call Karen Erwin  
at (303) 824-5438

THE INFORMATION CONTAINED IN THIS FACSIMILE MESSAGE IS CONFIDENTIAL INFORMATION INTENDED ONLY FOR THE USE OF THE INDIVIDUAL OR AGENT RESPONSIBLE TO DELIVER IT TO THE INTENDED RECIPIENT. YOU ARE HEREBY NOTIFIED THAT ANY DISSEMINATION, DISTRIBUTION OR COPYING OF THIS COMMUNICATION IS STRICTLY PROHIBITED. IF YOU HAVE RECEIVED THIS COMMUNICATION IN ERROR, PLEASE IMMEDIATELY NOTIFY US BY TELEPHONE, AND RETURN THE ORIGINAL MESSAGE TO US AT THE ABOVE ADDRESS VIA THE U.S. POSTAL SERVICE.

**energy opportunity growth**

**FAX COVER SHEET**

FROM: ED TROTTER

FAX NO. 435-789-1420

TELEPHONE NO. 435-789-4120

TO: UDOG & MFAX NO. 801-359-3940ATTENTION: LESHA CORDOVADATE: 6-29-2001TOTAL NUMBER OF PAGES INCLUDING COVER PAGE: 5

All information contained in this facsimile is confidential and is solely directed to the above named recipient. If you receive this fax in error, or there is a problem with the transmission, please call: 1-435-789-4120. Thank you.

Lesha,

Attached are copies of the Sundries I have submitted to the BLM for the Moon Ridge 31-21 and Moon Ridge 31-21X. The BLM has advised me that they will need an API number from you for the new well.

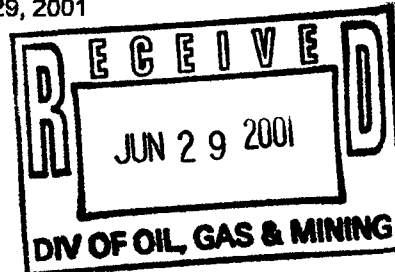
Thank you,



**EOG Resources, Inc.**  
600 Seventeenth Street  
Suite 1100N  
Denver, CO 80202  
(303) 572-9000  
Fax: (303) 824-5400

June 29, 2001

Ms. Lisha Cordova  
State of Utah  
Division of Oil, Gas and Mining  
1594 West North Temple, Suite 1210  
P.O. Box 145801  
Salt Lake City, Utah 84114-5801



RE: Exception Location Request  
Moon Ridge Federal 31-21X  
NW/4NE/4 of Section 21-16S-21E  
Grand County, Utah

Dear Lisha:

43-019-31387

Reference is made to the Moon Ridge Federal 31-21 well which was originally permitted by National Fuel Corporation, then taken over and drilled by EOG Resources, Inc. (EOG), the current approved operator, at a location 1,052' FNL, 1753' FEL (NW/4NE/4) of Section 21-16S-21E, SLM, Grand County, Utah. As a result of mechanical difficulties, EOG will have to P&A said well and is planning to skid the drilling rig approximately 30' southwest sometime this weekend to redrill this well.

As we discussed during our telephone conversation this afternoon, EOG plans to redrill this well (renamed the Moon Ridge Federal 31-21X) at a new surveyed location 1,077' FNL, 1,770' FEL (NW/4NE/4) of Section 21-16S-21E, SLM, Grand County, Utah (see copy of survey plat enclosed). This new well location, like the original location, is not within the legal window prescribed in General Rule R649-3-2 due to topographic reasons.

At the aforementioned surveyed location, the Moon Ridge Federal 31-21X is not closer than 920' to any other wells. Within a 460' radius of said location, EOG is the only operator and National Fuel Corporation is the only owner under Federal Lease UTU-72385 which covers All of Section 21-16S-21E, SLM, Grand County, Utah, and other lands.

If you have any questions or need anything further, please contact the undersigned. Otherwise, we respectfully request your immediate approval of EOG's request to skid the rig and drill at this new exception location.

Yours very truly,

EOG RESOURCES, INC.

Toni Lei Miller  
Project Landman

TLM/kse  
enclosures  
(m:\tjm\une\Utahltr.doc)

cc: Ed Trotter - EOG  
Jim R. Schaefer - EOG

Bob Davis - EOG  
Jim Brothers - National Fuel

**energy opportunity growth**



(December 1989)

DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

**SUNDRY NOTICE AND REPORTS ON WELLS**

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT -" for such proposals

**SUBMIT IN TRIPLICATE**

Bureau No. 1004-0135

Expires September 30, 1990

5. Lease Designation and Serial No.  
**UTU 72365**

6. If Indian, Allottee or Tribe Name

7. If Unit or C.A., Agreement Designation

8. Well Name and No.

**MOON RIDGE FEDERAL 31-21X**

9. API Well No.

**43-019-31387**

10. Field and Pool or Exploratory Area

**STEPOUT MOON RIDGE/CDR MTN/DAKOTA**

11. County

State

**GRAND,**

**UTAH**

1. Type of Well



Oil

**WELL**



Gas

Well



Other

**Rig skid**

2. Name of Operator

**EOG Resources, Inc.**

3. Address and Telephone No.

**P.O. BOX 250, BIG PINEY, WY 83113**

**(307) 276-3331**

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

**1052' FNL 1753' FEL (NW/NE)  
SECTION 21, T16S, R21E**

2. CHECK APPROPRIATE BOX(es) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION



NOTICE OF INTENT



SUBSEQUENT REPORT



FINAL ABANDONMENT NOTICE

TYPE OF ACTION



ABANDONMENT



RECOMPLETION



PLUGGING BACK



CASING REPAIR



ALTERING CASING



OTHER



CHANGE OF PLANS



NEW CONSTRUCTION



NON-ROUTINE FRACTURING



WATER SHUT-OFF



CONVERSION TO INJECTION

(Note: Report results of multiple completion on Well Completions  
or Recompletion Report and Log Form.)

Describe Proposed or Completed Operations (Clearly state all pertinent details and give pertinent dates, including estimated date of starting any proposed work if well is directionally drilled give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work).

EOGR is proposing to drill a replacement well for the Moon Ridge 31-21. The replacement well is the Moon Ridge 31-21X and is located at 1077 FNL, & 1770 FEL. The wellbore configuration will be as follows: (Survey plat attached)

**4362474N  
620199E**

SIZE OF HOLE	SIZE OF CASING	WT/FT	SETTING DEPTH	CEMENT
14-3/4"	10-3/4"	40.5# J-55	300'	250 sx Class "G" cement.
9-7/8"	7"	23.0# J-55	6,000'	350 sx Light weight cement & 350 sx 50/50 Pozmix.
6-1/8"	4-1/2"	11.6# N-80	10,100'	150 sx 50/50 Pozmix.

OTE: EOG Resources, Inc. will be using Nationwide Bond #NM 2308

I hereby certify that the foregoing is true and correct

NED

TITLE **Agent**

DATE **6/29/2001**

space for Federal or State office use

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

## ENTITY ACTION FORM - FORM 6

BIG PINEY, WYOMING 83113

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	LOCATION				COUNTY	SPUD DATE	EFFECTIVE DATE
					QQ	SEC.	TP	RG			
✓ A	99999	13142	43-019-31387 43-019-31381	MOON RIDGE FED. 31-21X	NW/NE	21	16S	21E	GRAND	7/01/2001	1-6-01
1 COMMENTS: 1-6-01											
✓ A	99999	13273	43-047-34073	EAST CHAPITA 800-16	NE/SW	16	9S	23E	UINTAH	8/7/2001	8-29-01
2 COMMENTS: 8-29-01 CONFIDENTIAL											
3 COMMENTS:											
4 COMMENTS:											
5 COMMENTS:											

## ACTIONS CODES (See instructions on back of form)

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (explain in comments section)

NOTE: Use COMMENT section to explain why each Action Code was selected.

(3/89)  
STATE OF UTAH

Doty Carlso  
Signature  
Regulatory Analyst  
Title

7/29/2001  
Date

Phone No. (307) 276-3331

OPERATOR ACCT. NO. N

AREA CODE 303  
PHONE 220-7772

FAX  
220-7773

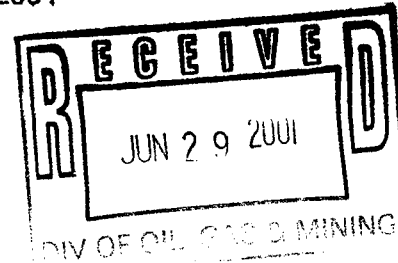
## National Fuel Corporation

7720 EAST BELLEVIEW AVENUE, #B-300  
ENGLEWOOD, COLORADO 80111



June 29, 2001

Ms. Lisha Cordova  
State of Utah  
Division of Oil, Gas and Mining  
1594 West North Temple, Suite 1210  
P.O. Box 145801  
Salt Lake City, Utah 84114-5801



RE: Consent to Exception Location  
Moon Ridge Federal 31-21X  
NW/4NE/4 of Section 21-16S-21E  
Grand County, Utah

Dear Lisha:

This letter will evidence National Fuel Corporation's written consent to EOG Resources, Inc.'s plans to skid the drilling rig from the Moon Ridge Federal 31-21 location to redrill this well (renamed the Moon Ridge Federal 31-21X) at a new surveyed location 1,077' FNL, 1,770' FEL (NW/4NE/4) of Section 21-16S-21E, SLM, Grand County, Utah, as an exception location

If you have any questions or need anything further, please contact the undersigned.

Yours very truly,

NATIONAL FUEL CORPORATION

Brenda Mayland

cc: Toni Miller - EOG Resources, Inc.

4357891420  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

ED TROTTER

PAGE 03

## SUNDRY NOTICE AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.

Use "APPLICATION FOR PERMIT --" for such proposals

SUBMIT IN TRIPLICATE

## 1. Type of Well

Oil ☐ WELL Gas ☒ Well ☐ Other *Rig skid*

## 2. Name of Operator

EOG Resources, Inc.

## 3. Address and Telephone No.

P.O. BOX 250, BIG PINEY, WY 83113 (307) 276-3331

## 4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

1052' FNL 1753' FEL (NW/NE)  
SECTION 21, T16S, R21E

Budget No. 1004-0135

Expires September 30, 1990

## 5. Lease Designation and Serial No.

UTU 72365

## 6. If Indian, Allottee or Tribe Name

## 7. If Unit or C.A., Agreement Designation

## 8. Well Name and No.

MOON RIDGE FEDERAL 31-21X

## 9. API Well No.

43-019-31387

## 10. Field and Pool or Exploratory Area

STEPOUT MOON RIDGE/CDR MTN/DAKOTA

## 11. County

State

GRAND,

UTAH

## 2. CHECK APPROPRIATE BOX(es) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

## TYPE OF SUBMISSION

- ☒ NOTICE OF INTENT  
☐ SUBSEQUENT REPORT  
☐ FINAL ABANDONMENT NOTICE

## TYPE OF ACTION

- ☐ ABANDONMENT  
☐ RECOMPLETION  
☐ PLUGGING BACK  
☐ CASING REPAIR  
☐ ALTERING CASING  
☐ OTHER
- ☒ CHANGE OF PLANS  
☐ NEW CONSTRUCTION  
☐ NON-ROUTINE FRACTURING  
☐ WATER SHUT-OFF  
☐ CONVERSION TO INJECTION

(Note: Report results of multiple completion on Well Completions  
or Recompletion Report and Log Form.)1. Describe Proposed or Completed Operations (Clearly state all pertinent details and give pertinent dates, including estimated date of starting any proposed work if well  
is directionally drilled give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work).EOGR is proposing to drill a replacement well for the Moon Ridge 31-21. The replacement well is the Moon Ridge 31-21X  
and is located at 1077 FNL, & 1770 FEL. The wellbore configuration will be as follows: (Survey plat attached)4362474N  
620199E

SIZE OF HOLE	SIZE OF CASING	WT/FT	SETTING DEPTH	CEMENT
14-3/4"	10-3/4"	40.5# J-55	300'	250 sx Class "G" cement.
9-7/8"	7"	23.0# J-55	6,000'	350 sx Light weight cement &
				350 sx 50/50 Pozmix.
6-1/8"	4-1/2"	11.6# N-80	10,100'	150 sx 50/50 Pozmix.

OTE: EOG Resources, Inc. will be using Nationwide Bond #NM 2308

I hereby certify that the foregoing is true and correct

NED

TITLE Agent

DATE 6/29/2001

Federal Approval of this  
Action is Necessary

APPROVED BY

TITLE

BRADLEY G. HILL

DATE

07-02-01

CONDITIONS OF APPROVAL, IF ANY

RECLAMATION SPECIALIST III

8 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the  
United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

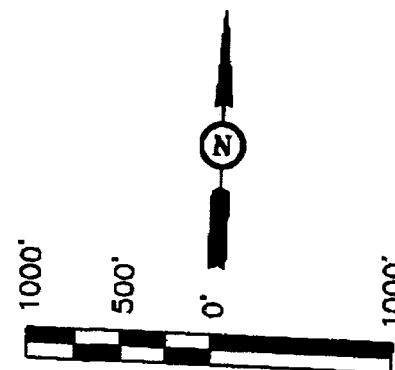
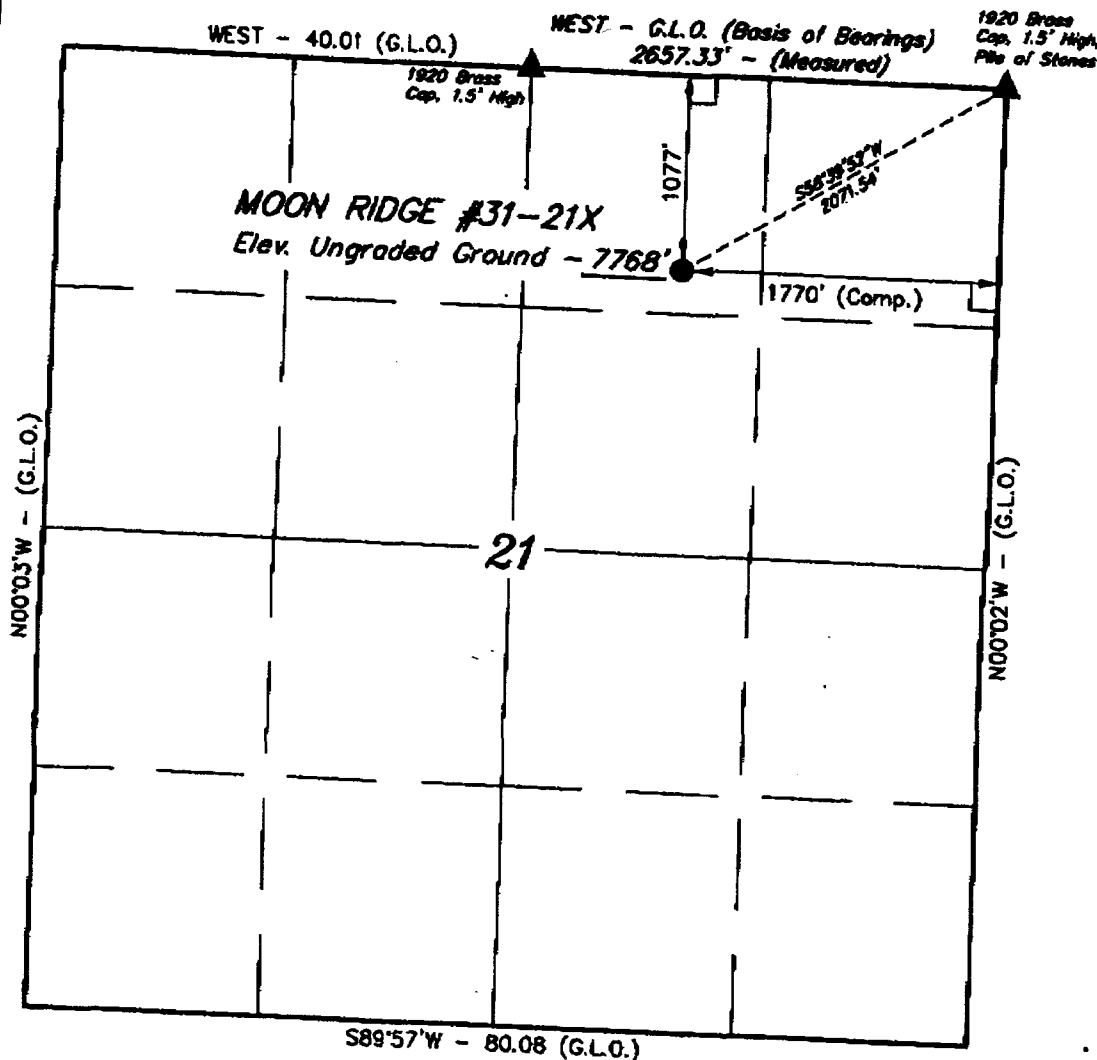
T16S, R21E, S.L.B.&M.

# NATIONAL FUEL CORPORATION

Well Location, MOON RIDGE #31-21X, located as shown in the NW 1/4 NE 1/4 of Section 21, T16S, R21E, S.L.B.&M. Grand County, Utah.

## BASIS OF ELEVATION

SPOT ELEVATION AT AN OIL WELL LOCATED IN THE NE 1/4 OF SECTION 15, T16S, R21E, S.L.B.&M. TAKEN FROM THE TENMILE CANYON NORTH QUADRANGLE, UTAH, GRAND COUNTY, 7.5 MINUTE SERIES (TOPOGRAPHICAL MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 7620 FEET.



SCALE

## CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE MAP WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

REGISTERED LAND SURVEYOR  
REGISTRATION NO. 161310  
STATE OF UTAH

REVISED: 6-29-01 D.COX

UINTAH ENGINEERING & LAND SURVEYING  
85 SOUTH 200 EAST - VERNAL, UTAH 84078  
(435) 789-1017

SCALE 1" = 1000'	DATE SURVEYED: 4-28-00	DATE DRAWN: 5-15-00
PARTY K.K. B.H. G.S. D.COX	REFERENCES G.L.O. PLAT	
WEATHER WARM	FILE NATIONAL FUEL CORPORATION	

## LEGEND:

- └ = 90° SYMBOL
- = PROPOSED WELL HEAD.
- ▲ = SECTION CORNERS LOCATED.

LATITUDE = 39°24'21" (39.405833)  
LONGITUDE = 109°36'14" (109.603889)

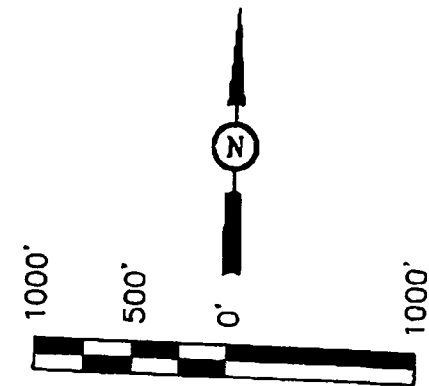
T16S, R21E, S.L.B.&M.

# NATIONAL FUEL CORPORATION

Well Location, MOON RIDGE #31-21X, located as shown in the NW 1/4 NE 1/4 of Section 21, T16S, R21E, S.L.B.&M. Grand County, Utah.

## BASIS OF ELEVATION

SPOT ELEVATION AT AN OIL WELL LOCATED IN THE NE 1/4 OF SECTION 15, T16S, R21E, S.L.B.&M. TAKEN FROM THE TENMILE CANYON NORTH QUADRANGLE, UTAH, GRAND COUNTY, 7.5 MINUTE SERIES (TOPOGRAPHICAL MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 7620 FEET.



SCALE  
CERTIFICATE

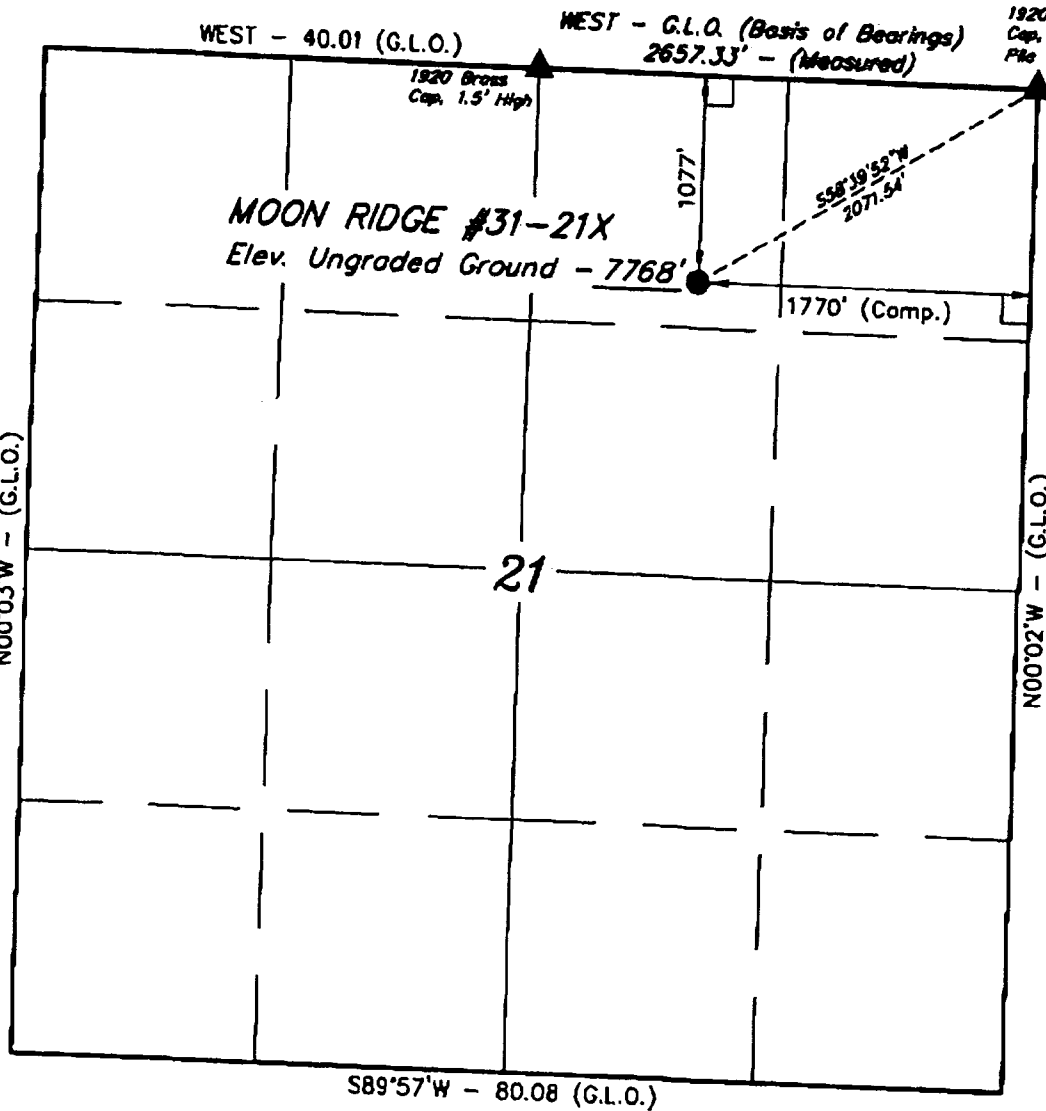
THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

*Robert H. Cox*  
REGISTERED LAND SURVEYOR  
REGISTRATION NO. 161319  
STATE OF UTAH

REVISED: 6-29-01 D.COX

UINTAH ENGINEERING & LAND SURVEYING  
85 SOUTH 200 EAST - VERNAL, UTAH 84078  
(435) 789-1017

SCALE 1" = 1000'	DATE SURVEYED: 4-28-00	DATE DRAWN: 5-15-00
PARTY K.K. B.H. G.S. D.COX	REFERENCES G.L.O. PLAT	
WEATHER WARM	FILE NATIONAL FUEL CORPORATION	



### LEGEND:

- └─┘ = 90° SYMBOL
- = PROPOSED WELL HEAD.
- ▲ = SECTION CORNERS LOCATED.

LATITUDE = 39°24'21" (39.405833)  
LONGITUDE = 109°36'14" (109.603889)



## United States Department of the Interior

### BUREAU OF LAND MANAGEMENT

Vernal District Office

170 South 300 East

Vernal, Utah 84078-2799

<http://www.blm.gov/utah/vernal>

Phone: (801) 781-4400

Fax: (801) 781-4410

IN REPLY REFER TO:

3162.3

UT08900

June 29, 2001

EOG Resources, Inc.  
P. O. Box 250  
Big Piney, WY 83113

Re: Moon Ridge Federal #31-21  
NWNE, Sec. 21, T18S, R21E  
Grand County, Utah  
Lease No. UTU-72365

Gentlemen:

This correspondence is in regard to the self-certification statement submitted requesting a change in operator for the referenced well. After a review by this office, the change in operator request is approved. Effective immediately, EOG Resources, Inc. is responsible for all operations performed on the referenced well. All liability will now fall under your bond, BLM Bond No. NM2308, for all operations conducted on the referenced well on the leased land.

If you have any other questions concerning this matter, please contact Leslie Crinklaw of this office at (801) 781-4497.

Sincerely,

A handwritten signature in black ink, appearing to read "Kirk Fleetwood".

Kirk Fleetwood  
Petroleum Engineer

cc: UDOGM - Jim Thompson  
National Fuel Corp.

bcc: Well file U-931  
Reading file U-932

Received Jun-28-01 02:32pm

From-02

To-EOG - BIG PINEY, WY. Page 02

FORM 3100-5  
(December 1985)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICE AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT" for such proposals.

SUBMIT IN TRIPLICATE BLM VERNAL, UTAH

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

EOG Resources, Inc.

3. Address and Telephonic No.

P.O. BOX 230, BIG PINEY, WY 83115 (307) 276-3331

4. Location of Well (Route, Sec., T., R., M., or Survey Description)

1052' FNL 1753' FEL (NW1/4)  
SECTION 21, T16S, R21E

FOR APPROVAL  
Noted  
No. 1004-0133  
Effective September 30, 1990

Lease Designation and Serial No.

UTU 72365

5. If Indian, Allottee or Tribe Name

7. If Unit or C.A., Agreement Designation

8. Well Name and No.

MOON RIDGE FEDERAL 31-21

9. API Well No.

43-019-31381

10. Field and Pool or Exploratory Area

STEPHUT MOON RIDGE/CDR MTNDAKOTA

11. County

State

GRAND,

UTAH

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

TYPE OF ACTION

- ☐ NOTICE OF INTENT  
☒ SUBSEQUENT REPORT  
☐ FINAL ABANDONMENT NOTICE

- ☐ ABANDONMENT  
☐ RECOMPLETION  
☐ PLUGGING BACK  
☐ CARING REPAIR  
☐ ALTERING CARING  
☒ OTHER

- ☐ CHANGE OF PLANS  
☐ NEW CONSTRUCTION  
☐ NON-ROUTINE FRACTURING  
☐ WATER SHUT-OFF  
☐ CONVERSION TO INJECTION  
☐ CHANGE OF OPERATOR

(Note: Report results of multiple completion on Well Completion  
or Accomplished Report and Log Form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details and give pertinent dates, including estimated date of starting any proposed work if well is directionally drilled give subsurface formations and measured and true vertical depths for all markers and zones pertinent to this work).

Please be advised that EOG Resources, Inc. is now considered to be the operator of the Moon Ridge Federal 31-21 NW/NE of Section 21, Township 16 South, Range 21 East, Grand County, Utah, Lease UTU 72365 and is responsible under the terms and conditions of the Lease for the operations conducted upon the leased lands. Bond coverage is provided by Nationwide Bond #NM2308.

VERGADIANA  
REG.  
GEOLOG.  
M.R.  
FET.  
A.M.

\*NOTE: EOG Resources, Inc. will be using Nationwide Bond #NM 2308

I, I hereby certify that the foregoing is true and correct.

SIGNED Ruby Carlson TITLE Regulatory Analyst DATE 5/30/2001

(Title space for Federal or State of Use)

APPROVED BY Karl Zuehl TITLE Petroleum Engineer DATE 6/23/01

CONDITIONS OF APPROVAL, IF ANY:

Title of U.S.C. Section 1061, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

01702253.5

Received Jun-28-01 02:32pm

From-02

To-EOG - BIG PINEY, WY. Page 03



JUN-29-2001 FRI 02:34 PM BUREAU OF LAND MANAGEMENT FAX NO. 02

P. 04

FORM 3100-5,  
(December 1997)UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

RECEIVED

## SUNDRY NOTICE AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or recompletion or log wells.  
Use "APPLICATION FOR PERMIT --" for such proposals.  
JUN - 6 2001  
BLM VERNAL, UTAH  
SUBMIT IN TRIPLICATE

## 1. Type of Well

Oil ☐ WELL ☒ Gas Well ☐ Other ☐

## 2. Name of Operator

NATIONAL FUEL CORPORATION

## 3. Address and Telephone No.

5000 S. QUEBEC, SUITE 640, DENVER, CO. 80237

## 4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

1052' FNL 1753' FEL (NW/NE)  
SECTION 21, T16S, R21E

## 12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

## TYPE OF SUBMISSION

- ☐ NOTICE OF INTENT
- ☒ SUBSEQUENT REPORT
- ☐ FINAL ABANDONMENT NOTICE

## TYPE OF ACTION

- ☐ ABANDONMENT
- ☐ RECOMPLETION
- ☐ PLUGGING BACK
- ☐ CASING REPAIR
- ☐ ALTERING CASING
- ☒ OTHER
- ☐ CHANGE OF PLANS
- ☐ NEW CONSTRUCTION
- ☐ NON-ROUTINE FRACTURING
- ☐ WATER SHUT-OFF
- ☐ CONVERSION TO INJECTION
- ☐ CHANGE OF OPERATOR

(Note: Report results of multiple completion on Well Completions  
or Recompletion Report and Log Form.)13. Describe Proposed or Completed Operations (clearly state all pertinent details and give pertinent dates, including estimated date of starting any proposed work if well  
is directionally drilled give subsurface location and measured and true vertical depths for all structures and zones pertinent to this work).

Please be advised that EOG Resources, Inc. is now considered to be the operator of the Moon Ridge Federal 31-21  
NW/NE of Section 21, Township 16 South, Range 21 East, Grand County, Utah, Lease UTU 72365 and is  
responsible under the terms and conditions of the Lease for the operations conducted upon the leased lands.  
Bond coverage is provided by Nationwide Bond #NM2308.

VERTICAL DEPTH

ELEV.

GROSS

NET

FEET

A.M.

## 14. I hereby certify that the foregoing is true and correct

SIGNED J. C. Broth TITLE Sr. GeologistDATE 6/4/01

(This space for Federal or State Office Use)

APPROVED BY Paul Dule TITLE Petroleum EngineerDATE 6/29/01

CONDITIONS OF APPROVAL, IF ANY:

This is to certify, Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the  
United States any false, fictitious or fraudulent statements or representations or to any officer within its jurisdiction.

01LC22535

Received Jun-29-01 02:32pm

From-02

To-EOG - BIG PINEY, WY. Page 04

FORM 3160-5  
(December 1989)UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

## SUNDRY NOTICE AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.

Use "APPLICATION FOR PERMIT --" for such proposals

## SUBMIT IN TRIPLICATE

FORM APPROVED  
Bureau No. 1004-0135  
Expires September 30, 19905. Lease Designation and Serial No.  
UTU 72365

6. If Indian, Allottee or Tribe Name

7. If Unit or C.A., Agreement Designation

8. Well Name and No.

MOON RIDGE FEDERAL 31-21

9. API Well No.  
43-019-3138110. Field and Pool or Exploratory Area  
STEP-OUT MOON RIDGE/CDR MTN/DAKOTA11. County State  
GRAND, UTAH

## 1. Type of Well

OR Gas  
☐ WELL ☒ Well ☐ Other

## 2. Name of Operator

EOG Resources, Inc.

## 3. Address and Telephone No.

P.O. BOX 250, BIG PINEY, WY 83113 (307) 276-3331

## 4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

1052' FNL 1753' FEL (NW/NE)  
SECTION 21, T16S, R21E

## 12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION
<input checked="" type="checkbox"/> NOTICE OF INTENT	<input type="checkbox"/> ABANDONMENT
<input type="checkbox"/> SUBSEQUENT REPORT	<input type="checkbox"/> RECOMPLETION
<input type="checkbox"/> FINAL ABANDONMENT NOTICE	<input type="checkbox"/> PLUGGING BACK
	<input type="checkbox"/> CASING REPAIR
	<input type="checkbox"/> ALTERING CASING
	<input type="checkbox"/> OTHER
	<input checked="" type="checkbox"/> CHANGE OF PLANS
	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> NON-ROUTINE FRACTURING
	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> CONVERSION TO INJECTION

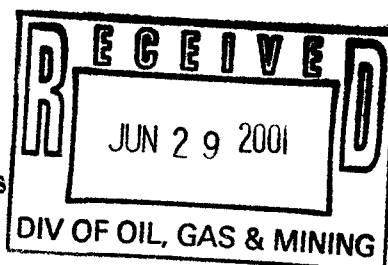
(Note: Report results of multiple completion on Well Completions or Recompletion Report and Log Form.)

## 13. Describe Proposed or Completed Operations (Clearly state all pertinent details and give pertinent dates, including estimated date of starting, any proposed work if well is directionally drilled give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work).

EOG Resources, Inc. has abandoned the referenced drill hole due to downhole mechanical problems. A wellbore diagram is attached which represents the current condition of the bore. EOGR is requesting authorization to cap the existing hole and postpone final abandonment until such time that a replacement well can be drilled, drilling equipment removed from the location, and a completion rig moved in.

Accepted by the  
Utah Division of  
Oil, Gas and Mining

Date: 6/29/01

By: *[Signature]*Federal Approval Of This  
Action Is Necessary

\*NOTE: EOG Resources, Inc. will be using Nationwide Bond #NM 2308

## 14. I hereby certify that the foregoing is true and correct

SIGNED

TITLE Agent

DATE 6/29/2001

(This space for Federal or State office use)

APPROVED BY

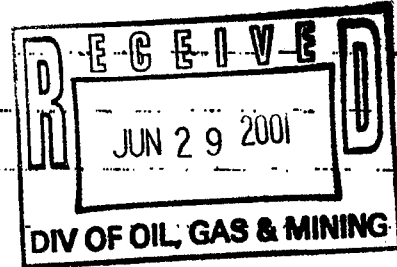
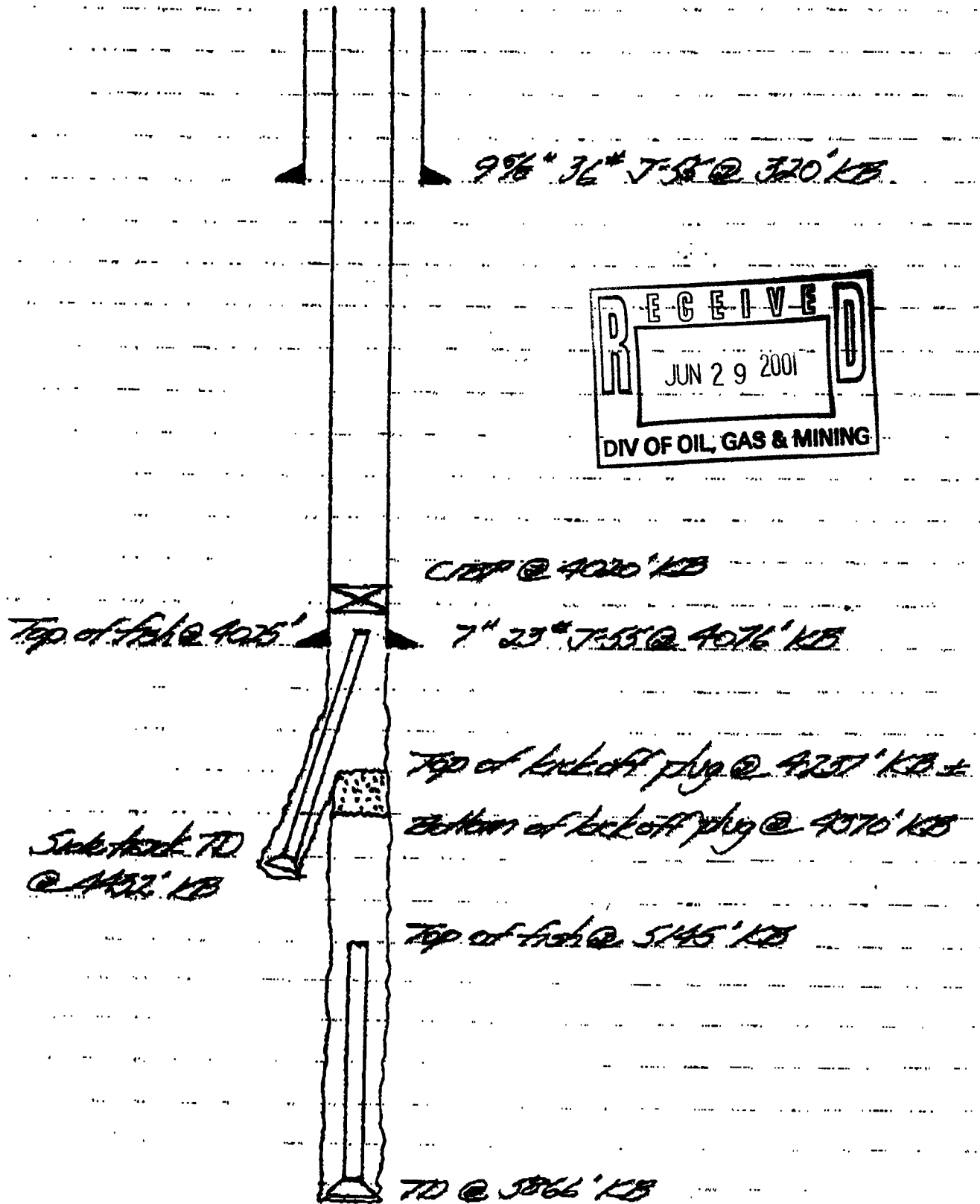
TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

This is U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*Mon Ridge 31-21*



WORKSHEET  
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 06/29/2001

API NO. ASSIGNED: 43-019-31387

WELL NAME: MOON RIDGE FED 31-21X

OPERATOR: EOG RESOURCES INC ( N9550 )

CONTACT: ED TROTTER, AGENT

PHONE NUMBER: 435-789-4120

PROPOSED LOCATION:

NWNE 21 160S 210E

SURFACE: 1077 FNL 1770 FEL

BOTTOM: 1077 FNL 1770 FEL

GRAND

UNDESIGNATED ( 2 )

LEASE TYPE: 1 - Federal

LEASE NUMBER: UTU-72365

SURFACE OWNER: 1 - Federal

PROPOSED FORMATION: CDMTN

INSPECT LOCATN BY: / /

Tech Review	Initials	Date
Engineering		
Geology		
Surface		

RECEIVED AND/OR REVIEWED:

☒ Plat  
☒ Bond: Fed[1] Ind[] Sta[] Fee[]  
(No. NM-2308 )  
☒ Potash (Y/N)  
☒ Oil Shale 190-5 (B) or 190-3 or 190-13  
☒ Water Permit  
(No. 49-1223 )  
☒ RDCC Review (Y/N)  
(Date: )  
☒ Fee Surf Agreement (Y/N)

LOCATION AND SITING:

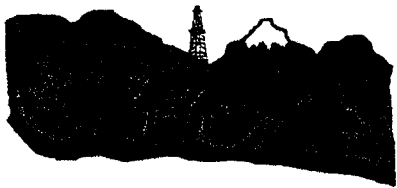
\_\_\_ R649-2-3. Unit \_\_\_  
\_\_\_ R649-3-2. General  
☒ Siting: 460 From Qtr/Qtr & 920' Between Wells  
\_\_\_ R649-3-3. Exception  
\_\_\_ Drilling Unit  
Board Cause No: \_\_\_  
Eff Date: \_\_\_  
Siting: \_\_\_  
\_\_\_ R649-3-11. Directional Drill

COMMENTS:

Blm Appr. 6-29-01.  
DOEm Verbal Appr. 6-29-01.

STIPULATIONS:

① FEDERAL APPROVAL



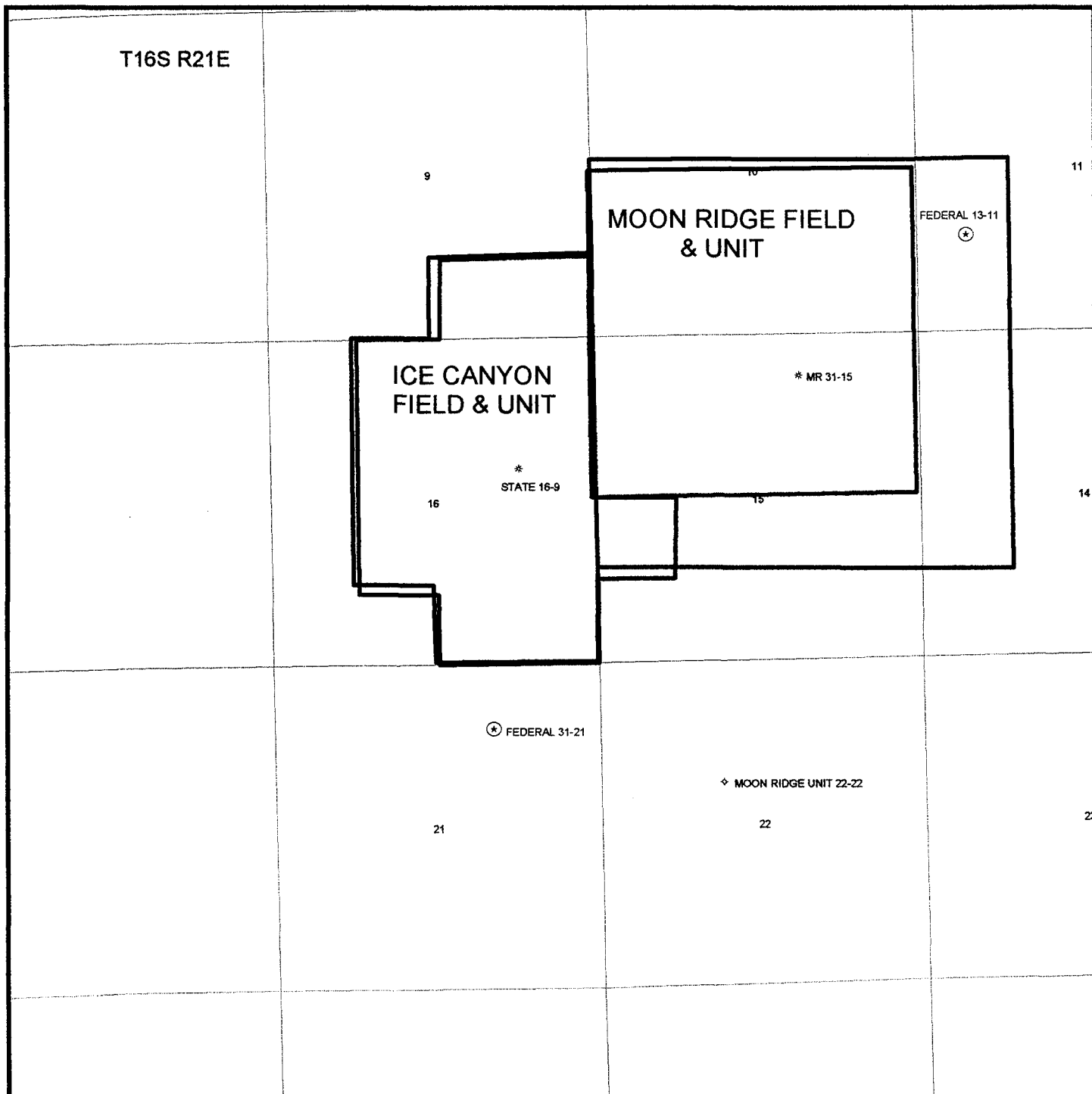
Utah Oil Gas and Mining

OPERATOR: NATIONAL FUEL CORP (N8060)

FIELD: UNDESIGNATED (002)

SEC. 21, T16S, R21E,

COUNTY: GRAND SPACING: R649-3-3/EX LOC



PREPARED BY: LCORDOVA  
DATE: ~~16 AUGUST 2000~~

June 29, 2001  
lc



**EOG Resources, Inc.**  
600 Seventeenth Street  
Suite 1100N  
Denver, CO 80202  
(303) 572-9000  
Fax: (303) 824-5400

June 29, 2001

Ms. Lisha Cordova  
State of Utah  
Division of Oil, Gas and Mining  
1594 West North Temple, Suite 1210  
P.O. Box 145801  
Salt Lake City, Utah 84114-5801

RE: Exception Location Request  
Moon Ridge Federal 31-21X  
NW/4NE/4 of Section 21-16S-21E  
Grand County, Utah

Dear Lisha:

Reference is made to the Moon Ridge Federal 31-21 well which was originally permitted by National Fuel Corporation, then taken over and drilled by EOG Resources, Inc. (EOG), the current approved operator, at a location 1,052' FNL, 1753' FEL (NW/4NE/4) of Section 21-16S-21E, SLM, Grand County, Utah. As a result of mechanical difficulties, EOG will have to P&A said well and is planning to skid the drilling rig approximately 30' southwest sometime this weekend to redrill this well.

As we discussed during our telephone conversation this afternoon, EOG plans to redrill this well (renamed the Moon Ridge Federal 31-21X) at a new surveyed location 1,077' FNL, 1,770' FEL (NW/4NE/4) of Section 21-16S-21E, SLM, Grand County, Utah (see copy of survey plat enclosed). This new well location, like the original location, is not within the legal window prescribed in General Rule R649-3-2 due to topographic reasons.

At the aforementioned surveyed location, the Moon Ridge Federal 31-21X is not closer than 920' to any other wells. Within a 460' radius of said location, EOG is the only operator and National Fuel Corporation is the only owner under Federal Lease UTU-72365 which covers All of Section 21-16S-21E, SLM, Grand County, Utah, and other lands.

If you have any questions or need anything further, please contact the undersigned. Otherwise, we respectfully request your immediate approval of EOG's request to skid the rig and drill at this new exception location.

Yours very truly,

**EOG RESOURCES, INC.**

Toni Lei Miller  
Project Landman

TLM/kse  
enclosures  
(m:\t\m\june\Utahltr.doc)

cc: Ed Trotter - EOG  
Jim R. Schaefer - EOG

Bob Davis - EOG  
Jim Brothers - National Fuel

**energy opportunity growth**

**RECEIVED**

**JUL 02 2001**

**DIVISION OF  
OIL, GAS AND MINING**

Attached to:

APPLICATION FOR PERMIT TO DRILL, Form 3160-3

Company National Fuel Corporation Well No. Moon Ridge Federal #31-21X

Location: Sec. 21, T. 16S, R. 21E, Lease No. UTU 72365

Notification Requirements:

Location Construction – forty-eight (48) hours prior to construction of location and access roads

Location Completion – prior to moving on the drilling rig.

Spud Notice – at least twenty-four (24) hours prior to spudding the well.

Casing String and Cementing – twenty four (24) hours prior to running casing and cementing all casing strings.

BOP and Related Equipment Tests – twenty four (24) hours prior to initiating pressure tests.

First Production Notice – within five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90) days.

All operations will be conducted in such a manner that full compliance is made with applicable laws, regulations (43 CFR § 3100), Onshore Oil and Gas Orders, the approved plan of operations and the conditions of approval. The operator is fully responsible for the actions of his subcontractors. A copy of these conditions will be furnished to the field representative to ensure compliance.

A. DRILLING PROGRAM

1. Surface Formation and Estimated Formation Tops: Tertiary Green River Fm. @ surface  
Wasatch 1,991'; Mesaverde 3,816';  
Sego 5,351'; Buck Tongue 5,501';  
Castlegate 5,686'; Mancos 5,836';  
Emery / Mancos "B" 6,401  
Dakota Silt 9,501'  
Dakota "Sand" 9,611'  
Cedar Mountain / Buckhorn 9,736'  
Morrison 9,811' ; T.D. 10,100'

2. Estimated Depth at Which Oil, Gas, Water or Other Mineral Bearing Zones are Expected to be Encountered

Depth/Formation  
Expected Oil Zones: None

Expected Gas Zones: Cedar Mtn. / Buckhorn (9,736'-9,811'); Castlegate (5,686'-5,836')  
cased & cemented behind production casing, and intermediate casing, respectively.

## EXHIBIT TO A - 3

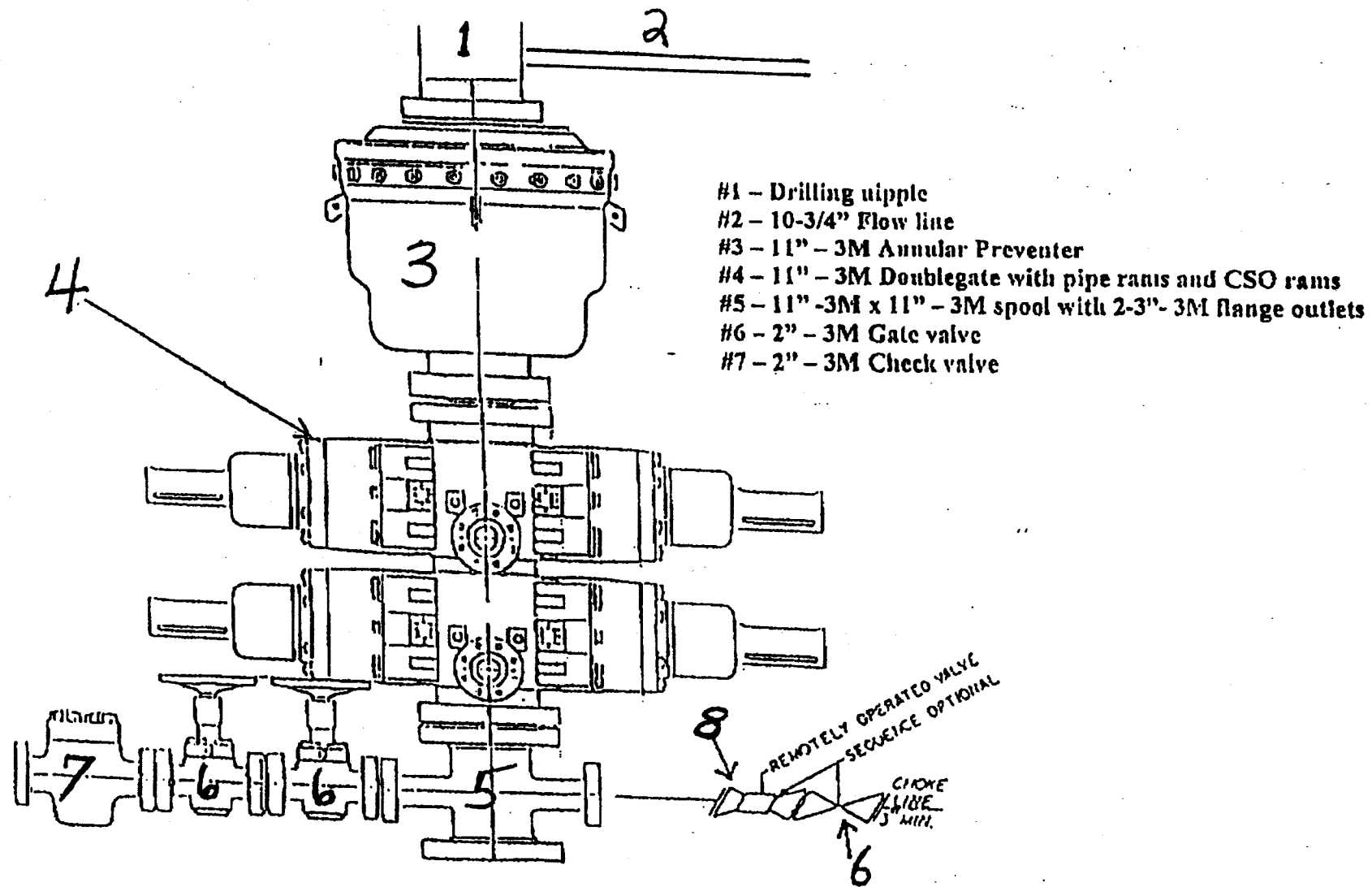
### A - 3. The Operator's Minimum Specifications for Pressure Control

EXHIBIT are schematic diagrams of the blowout preventer equipment. A 2,000# blowout preventer will be installed, used, maintained and tested in accordance with all requirements specified in Section III.A-1 of Onshore Order 2, except where variations are presented in this application.

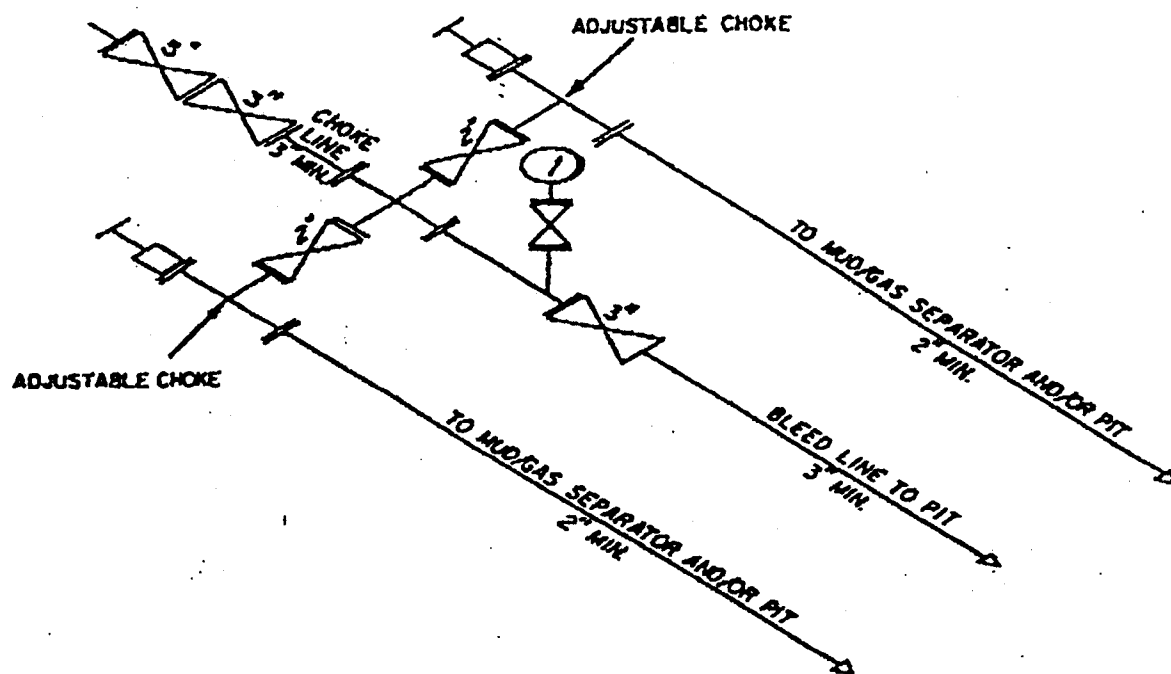
Minimum standards outlined in Onshore Order 2 will be met for BOP, choke, manifold, accumulator, and locking devices. Hydraulic controls will be located on the rig floor. Manual controls will be handwheels. Remote control for the accumulator will be 100'-200' from the drill hole. The kill line will not be used as a fill-up line.

Ram type preventers and associated equipment (choke manifold, kelly cocks, etc.) shall be pressure tested to 100% of their rated working pressure for a period of 10 minutes. Annular preventers shall be tested to 50% of their rated working pressure for a period of 10 minutes. Tests will be run after initial installation, prior to drilling out of each casing shoe and after use under pressure, or a minimum of once every 30 days. Pipe rams will be operationally checked each 24 hour period, as will blind rams and annular preventer each time pipe is pulled out of the hole. Annular preventers will be functionally operated at least weekly. Such checks of BOPE will be noted on daily drilling reports.





11" - 3M Doublegate with Annular Preventer



② 3M CHOKE MANIFOLD EQUIPMENT — CONFIGURATION OF CHOKES MAY VARY

Expected Water Zones: Less than 300' (cased & cemented behind surf. csg.).  
Wasatch & Upper Mesaverde (300'-5,686') and Castlegate (5,686'-5,836') cased and  
cemented behind intermediate casing.

Expected Mineral Zones: None

All fresh water and prospectively valuable minerals encountered during drilling will be recorded by depth and will be cased and cemented. When possible, water flow rates will be measured and samples will be taken and analyzed with the results being submitted to BLM. All oil and gas shows will be tested to determine commercial potential.

3. Pressure Control Equipment – include schematics of the BOP and choke manifold, and describe testing procedures: See attached procedures and schematics exhibit.

BOP systems will be consistent with API RP 53 and Onshore Oil and Gas Order No. 2. Pressure tests of the surface casing and all BOP equipment potentially subject to pressure will be conducted before drilling the surface casing shoe. Blowout preventer controls will be installed prior to drilling the surface casing show and will remain in use until the well is completed or abandoned. Ram preventers shall be inspected and operated each trip (no more than once a day is necessary), and annular preventers shall be inspected and operated weekly to ensure good mechanical working order. These inspections shall be recorded in the drilling log and in the daily drilling report.

4. Casing Program and Auxiliary Equipment – include casing size, weight, grade, thread and coupling, setting depth and condition (new or acceptably reconditioned):

300'	surface csg.	13 3/8"	48#	H-40	ST&C	0'-300'	New
5,900'	intermediate csg.	8 5/8"	32#	J-55	ST&C	0'-5,900'	New
10,100'	production csg.	4 1/2"	11.6#	N-80	ST&C	0'-10,100'	New

5. Cement – include the cement type, density, yield, additives and amount used in setting each casing string. Also include the anticipated cement fill-up. If stage cementing, describe techniques: Surface csg. – 350 sx regular cement – 25:75% poz/g; 2% si Ca Cl<sub>2</sub>; .25 sk D-29 celloflake to surf.

Intermed. csg. – 1935 sx 50:50% pozmix – 2% Si Ca Cl<sub>2</sub>; .25 sx D-29 celloflake to surf.

Production – 150 sx thixotropic; ± 4,700' or 1,000' above Dakota Silt top.

Surface casing shall be cemented back to surface. Centralizers shall be run, at a minimum, on the bottom three joints of each casing string.

6. Mud Program and Circulating Medium – include mud components and weights. When air drilling, also include: length and location of blooie line; description of the auto ignitor, description of the deduster equipment; and amounts, types and characteristics of stand-by mud: Well will be mud drilled with conventional 8.4# to 9.5# / gal. mud system from surf to 5,900' where 7" intermed csg will be set. 5,900' to 10,100' TD will be drilled with air. Details on air drilling system will be provided for specific drilling rig when drilling rig and air package contract is signed.

Due to potential for contamination of usable quality water aquifers, chromates are banned from Federal leases.

No chemicals subject to reporting under SARA Title III in an amount equal to, or greater than, 10,000 pounds will be used, produced, stored, transported, or disposed of annually in association with the drilling, testing, or completion of this well. No extremely hazardous substances, as defined in 40 CFR 355, in the threshold planning quantities will be used,

produced, stored, transported, or disposed of in association with the drilling, testing, or completing of this well.

Sufficient mud materials will be stored on location to maintain will control and combat lost circulation problems that might reasonably be expected.

7. Coring, Logging and Testing Program: No DST or core anticipated. Air drilling gives good gas test while drilling. Logging program: DIL-focused w/GR & SP & Cal., & and CNL-FDC w/GR to be run from TD to base of surface csg. All good gas and/or oil shows will be tested by perfring production casing.  
Initial opening of drill stem test tools will be restricted to daylight hours.
8. Abnormal Conditions, Bottom Hole Pressures and Potential Hazards – include anticipated bottomhole pressure and/or pressure gradient. Also list anticipated lost circulation zones, abnormal temperature zones and possible hydrogen sulfide bearing zones: No abnormal conditions, pressures, temperatures or hazards anticipated or common in area. No H2S anticipated or known in area. BHP expected to be max. 2,500# based on nearby wells.
9. Any Other Aspects of this Proposal that should be Addressed: Time frames for:  
Construction – 3 to 5 days  
Drilling – 21 to 25 days  
Completion – 7 to 14 days (depending on results, this may be extended)

B. THIRTEEN POINT SURFACE USE PLAN

The dirt contractor will be provided with an approved copy of the surface use plan of operations before initiating construction.

1. Existing Roads:
  - a. Proposed route to location (submit a map depicting access and well location).  
See attached maps and plats from UELS.
  - b. Location of proposed well in relation to town or other reference point:  
Approximately 70 miles WNW of Fruita, CO, 44 miles NW of Interstate 70, access from Harley Dome exit, exit 225; Grand Co. Road #193 (old hwy. 6 & 50), Grand Co. Rd. #194 to intersection of Hay Canyon and Middle Canyon Rds; West up Hay Canyon Rd. to Three Pines; west to Moon Ridge.
  - c. Contact the County Road Department for use of county roads.
  - d. Plans for improvement and/or maintenance of existing roads: Grand Co., National Fuel, and other companies currently maintain existing roads regularly.
  - e. Other: Existing roads are adequate for transportation of drilling rig and associated activity.
2. Planned Access Roads:
  - a. Location (centerline): Approximately .3 miles +/- in length, totally within NE Sec 21, T16S, R21E and within lease #UTU 72365.

- b. Length of new access to be constructed: .3 mile ±
- c. Length of existing roads to be upgraded: none needed
- d. Maximum total disturbed width: 30 feet
- e. Maximum travel surface width: 18 feet
- f. Maximum grades: 10% or less; proposed roadway is level.
- g. Turnouts: As needed.
- h. Surface materials: No off-site materials anticipated. Road to be constructed of on-site gravel, rock, and soil materials.
- i. Drainage (crowning, ditching, culverts, etc.): Anticipate flat-blading for drilling operations w/water bars as needed. If production established road will be upgraded as needed for erosion control and maintenance of drainage.
- j. Cattleguards: N/A
- k. Length of new and/or existing roads which lie outside the lease or unit boundary for which a BLM right-of-way is required: None
- l. Other: \_\_\_\_\_

Surface disturbance and vehicular travel will be limited to the approved location and access road. Any additional area needed must be approved by the Area Manager in advance.

If a right-of-way is necessary, no surface disturbing activities shall take place on the subject right-of-way until the associated APD is approved. The holder will adhere to conditions of approval in the Surface Use Program of the approved APD, relevant to any right-of-way facilities.

If a right-of-way is secured, boundary adjustments in the lease or unit shall automatically amend this right-of-way to include that portion of the facility no longer contained within the lease or unit. In the event of an automatic amendment to this right-of-way grant, the prior on-lease/unit conditions of approval of this facility will not be affected even though they would now apply to facilities outside of the lease/unit as a result of a boundary adjustment. Rental fees, if appropriate, shall be recalculated based on the conditions of this grant and the regulations in effect at the time of an automatic amendment.

If at any time the facilities located on public lands authorized by the terms of the lease are no longer included in the lease (due to a contraction in the unit or other lease or unit boundary change) the BLM will process a change in authorization to the appropriate statute. The authorization will be subject to appropriate rental, or other financial obligations determined by the authorized officer.

If the well is productive, the access road will be rehabilitated or brought to Resource (Class III) Road Standards within 60 days of dismantling the rig. If upgraded, the access road must be maintained at these standards until the well is properly abandoned. If this time frame

cannot be met, the Area Manager will be notified so that temporary drainage control can be installed along the access road.

3. Location of Existing Wells – on a map, show the location of all water, injection, disposal, producing and drilling wells within a one mile radius of the proposed well, and describe the status of each: See attached map. Only applicable wells: Producing gas well in NE sec. 16, T16S, R21E. P & A well in SW sec. 22, T16S, R21E.
4. Location of Production Facilities:
  - a. On-site facilities: Well head, meter house, separator/heater treater and/or dehydrator, and fenced emergency water disposal pit. Pit to be lined if soil/bedrock conditions require. Details of facilities will be submitted if well is completed for production.
  - b. Off-site facilities: None
  - c. Pipelines: If gas production is established, a new gathering line to the existing field pipeline system will be constructed parallel to the new access road. No right-of-way will be needed for the new line.

All permanent (in place for six months or longer) structures constructed or installed (including oil well pump jacks) will be painted a flat, nonreflective color to match the standard environmental colors, as determined by the Rocky Mountain Five-State Interagency Committee. All facilities will be painted within six months on installation. Facilities required by comply with the Occupational Safety and Health Act (OSHA) may be excluded. Colors will be as follows: Per BLM specifications to match surrounding trees and rocks.

All site security guidelines identified in 43 CFR § 3162.7-5 and Onshore Oil and Gas Order No. 3 shall be followed.

If a gas meter run is constructed, it will be located on lease within 500 feet of the wellhead. The gas flowline will be buried from the wellhead to the meter and will be buried downstream of the meter until it leaves the pad. Meter runs will be housed and/or fenced. The gas meter shall be calibrated prior to first sales and shall be calibrated quarterly thereafter. All gas production and measurement shall comply with the provisions of 43 CFR § 3162.7-3, Onshore Oil and Gas Order No. 5, and American Gas Association (AGA) Report No. 3.

If a tank battery is constructed on this lease, it will be surrounded by a berm of sufficient capacity to contain 1 ½ times the storage capacity of the largest tank. All loading lines and valves will be placed inside the berm surrounding the tank battery. All oil production and measurement shall conform to the provisions of 43 CFR § 3162.7-3 and Onshore Oil and Gas Order No. 4.

Production facilities on location may include a lined or unlined produced water pit as specified in Onshore Order #7. If water is produced from the well, an Onshore Order #7 application must be submitted.

R  
21  
E

**Producing Gas Well**  
**Beartooth**  
**Ice Canyon # 16-9**  
**NE Sec. 16-T16S-R21E**

**PROPOSED LOCATION:**  
**MOON RIDGE #31-21**

**1 mile radius**

0.9 MI. +/-

**PROPOSED ACCESS 0.3 MI. +/-**

**Plugged & Abandoned Well**  
**Pacific Natural Gas**  
**Moon Ridge #22-22**  
**SW Sec. 22-T16S-R21E**  
**P&A 1963**

**INTERSTATE 70 43.5 MI. +/-**  
**FRUITA COLORADO 67.2 MI. +/-**

**T16S**

**LEGEND:**

----- PROPOSED ACCESS ROAD  
————— EXISTING ROAD

**EXISTING WELLS**  
**w/in 1 mi. radius of**  
**Proposed Moon Ridge #31-21**



**NATIONAL FUEL CORPORATION**

**MOON RIDGE #31-21K**  
**SECTION 21, T16S, R21E, S.L.B.&M.**  
**1052' FNL 1753' FEL *fe***

**TOPOGRAPHIC** **5** **12** **00**  
**MAP** **MONTH** **DAY** **YEAR**  
**SCALE: 1" = 2000'** **DRAWN BY: C.G.** **REVISED: 00-00-00**

**B**  
**TOPO**

5. Location and Type of Water Supply:

All water needed for drilling purposes will be obtained from (describe location and/or show on a map): Water will be purchased from a private pond, water rights owned by the rancher, located in Main Canyon in the center of the E ½, E ½ Section 31 – T15S – R23E, Uintah Co., UT. (See attached map.)

A temporary water use permit for this operation will be obtained from the Utah State Engineer in Price, Utah, at (801) 637-1303.

Water obtained on private land, or land administered by another agency, will require approval from the owner or agency for use of the land, and such approval has been negotiated.

6. Source of Construction Material:

Pad construction material will be obtained from (if the source is Federally owned, show location on a map): Native materials. All on site.

The use of materials under BLM jurisdiction will conform to 43 CFR § 3610.2-3.

7. Methods of Handling Waste Disposal:

Describe the methods and locations proposed for safe containment and disposal of waste material, e.g. cuttings, produced water, garbage, sewage, chemicals, etc.

The reserve pit will be lined with (native material, bentonite, synthetic material):

Native material or a synthetic liner as soil/bedrock conditions require. All waste materials will be disposed of in an approved manner in an approved disposal site. Cuttings and produced water will be contained in the pit and disposed of per BLM stipulations.

The reserve pit will be located: See attached pad diagram.

The reserve pit shall be located in cut material, with at least 50% of the pit volume being below original ground level. Three sides of the reserve pit will be fenced before drilling starts. The fourth side will be fenced as soon as drilling is completed, and shall remain until the pit is dry. As soon as the reserve pit has dried, all areas not needed for production will be rehabilitated.

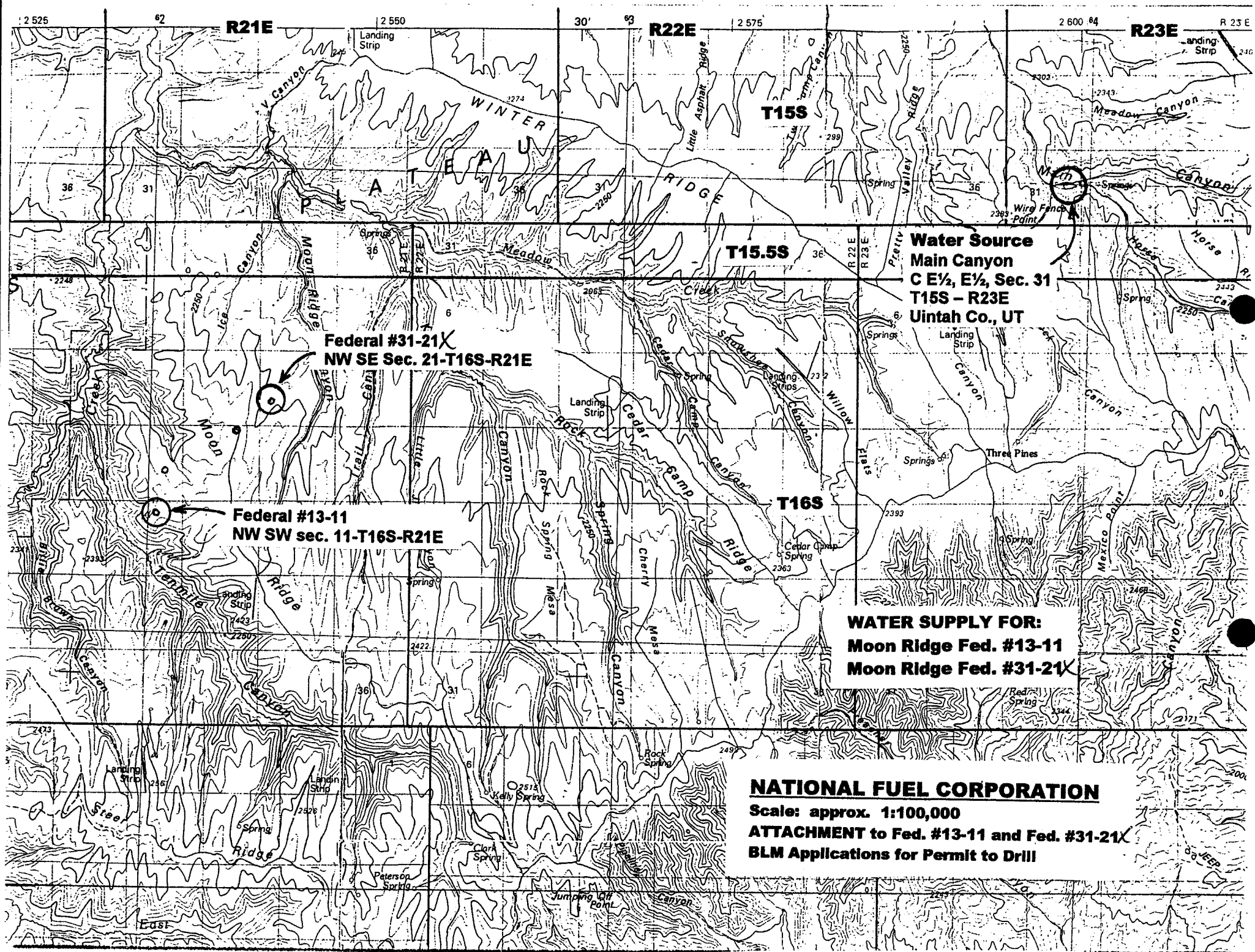
Trash must be contained in a trash cage and hauled away to an approved disposal site as necessary, but no later than at the completion of drilling operations.

8. Ancillary Facilities: None required. Anticipate 1 to 3 trailers for drilling, logging equipment, personnel, etc.

9. Well Site Layout – depict the pit, rig, cut and fill, topsoil, etc., on a plat with a scale of at least 1" = 50'.

All wells, whether drilling, producing, suspended, or abandoned, will be identified in accordance with 43 CFR § 3162.6.





Access to the well pad: See pad layout diagram.

The blooie line will be located: Along the NW or pit side of the location and directed into the flare pit, at least 100 feet from the well head.

To minimize the amount of fugitive dust and spray escaping from the blooie pit, the following blooie line deflection method will be employed: Blooie line will be directed into the base of the dirt embankment surrounding the flare pit.

10. Plans for Restoration of the Surface:

The top 3 inches of topsoil material will be removed from the location and stockpiled separately from vegetation at the end of the well site. Topsoil stockpile will be windrowed, broadcast seeded, and walked in with a cat.

Topsoil along the access road will be reserved in a place adjacent to the road.

Immediately upon completion of drilling, all equipment that is not necessary for production shall be removed.

The reserve pit and that portion of the location not needed for production will be reclaimed.

Before any dirt work to restore the location takes place, the reserve pit must be completely dry.

All road surfacing will be removed prior to the rehabilitation of roads.

Reclaimed roads will have the berms and cuts reduced and will be closed to vehicle use.

All disturbed areas will be recontoured to replicate the natural slope.

The stockpiled topsoil will be evenly distributed over the disturbed area.

Prior to reseeding, all disturbed areas, including the access roads, will be scarified and left with a rough surface.

Seed will be broadcast or drilled between Oct. 1 and Dec. 31, or at a time specified by the BLM. If broadcast, a harrow or some other implement will be dragged over the seeded area to assure seed coverage.

The following seed mixture will be used: 6 lbs./ac. Bitterbrush (Purshia tridentada); 6 lbs./ac. Needle and Thread (Stipa lettemanii); Both pure live seed. Noxious weeds will be controlled on wellsite and along road / pipeline as needed.

The abandonment marker will be one of the following, as specified by the BLM:

- 1) at restored ground level, or
- 2) below ground level.

In any case, the marker shall be inscribed with the following: operator name, lease number, well name and surveyed description (township, range, section and either quarter-quarter or footages).

Additional requirements: \_\_\_\_\_  
\_\_\_\_\_

11. Surface and Mineral Ownership: Federal surface and mineral ownership.

12. Other Information:

- a. Archeological Concerns: Area currently closed, due to fire danger (6/1/2000). Cultural resources inventories will be completed by an archaeologist approved by BLM, Grand River Institute, Grand Junction, CO; Carl Conner, Administrator. CRI will be filed as an attachment to this APD when completed.

The operator is responsible for informing all persons in the area who are associated with this project that they will be subject to prosecution for knowingly disturbing historic or archaeological sites, or for collecting artifacts. If historic or archaeological materials are uncovered during construction, the operator is to immediately stop work that might further disturb such materials, and contact the authorized officer (AO). Within five (5) working days, the AO will inform the operator as to:

- whether the materials appear eligible for the National Register of Historic Places;
- the mitigation measures the operator will likely have to undertake before the site can be used (assuming in situ preservation is not necessary); and
- a time frame for the AO to complete an expedited review under 36 CFR § 800.11 to confirm, through the State Historic Preservation Officer, that the findings of the AO are correct and that mitigation is appropriate.

If the operator wishes, at any time, to relocate activities to avoid the expense of mitigation and/or the delays associated with this process, the AO will assume responsibility for whatever recordation and stabilization of the exposed materials may be required. Otherwise, the operator will be responsible for mitigation costs. The AO will provide technical and procedural guidelines for the conduct of mitigation. Upon verification from the AO that the required mitigation has been completed, the operator will then be allowed to resume construction.

COVER PAGE for the  
Utah Division of State History  
Preservation Office

Project Name: Class III cultural resources inventory of the proposed Moon Ridge #31-21 and #23-11 well locations and short accesses in Grand County, Utah for National Fuel Corporation [GRI Proj. No. 2039]

State Proj. No.: U00-GB-0249b

Report Date: 07/05/00

Principal Investigator: Carl E. Conner

Field Supervisor(s): Carl E. Conner

Acreage Surveyed

Intensive: 48.8 acres      Recon/Intuitive: \_\_\_\_\_ acres

7.5' Series USGS Map Reference(s): Tenmile Canyon North

Sites Reported

Archaeological Sites

Revisits (no inventory form update) 0

Revisits (updated IMACS site  
inventory form attached) 0

New recordings (IMACS site inventory  
form attached) 0

Total Count of Archaeological Sites 0

Historic Structures (USHS 106 site info  
form attached) 0

**Total National Register Eligible Sites** 0

Paleontological Localities 0

Checklist of Required Items

1. X 1 Copy of the Final Reports
2. X Copy of 7.5' Series USGS Maps With Surveyed/Excavated Area Clearly Identified.
3. Completed IMACS Site Inventory Forms, Including  
\_\_\_\_ Parts A and B or C,  
\_\_\_\_ the IMACS Encoding Form,  
\_\_\_\_ Site Sketch Map,  
\_\_\_\_ Photographs, and  
\_\_\_\_ Copy of the Appropriate 7.5' Series USGS Map w/ the Site Location Clearly Marked and Labeled w/ the Smithsonian No.
4. \_\_\_\_\_ Paleontological locality form
5. X Completed "Cover Sheet" Accompanying Final Report and Survey Materials

U.S.  
Department of the Interior  
Bureau of Land Management  
Utah State Office

Summary Report of  
Inspection for Cultural Resources

Project U-00-G-B-0249b  
Authorization No.

Report Acceptable Yes ☐ No ☐

Mitigation Acceptable Yes ☐ No ☐

Comments: \_\_\_\_\_

1. Report Title Proposed Moon Ridge Well 31-21 / Access

2. Development Company National Fuel Corporation

3. Report Date 05 July 2000 4. Antiquities Permit No. 00-UT-54939

5. Responsible Institution GRAND RIVER INS County Grand

6. Fieldwork Location: TWN 16S Range 21E Section(s) 21 \_\_\_\_\_

TWN \_\_\_\_\_ Range \_\_\_\_\_ Section(s) \_\_\_\_\_

7. Resource Area BC

PO=Pony Express, BR=Bear River, WS=Warm Springs, BC=Book Cliffs, HR=House Range,  
SE=Sevier River, HM=Henry Mountains, BE=Beaver River, DX=Dixie, KA=Kanab,  
ES=Escalante, SJ=San Juan, GR=Grand, SR=San Raphael, DM=Diamond Mountain

8. Description of Examination Procedures: A 100 percent pedestrian cultural resources survey of the proposed well location was made by a two-person crew walking NE - SW transects spaced approximately 10-15 meters apart covering a total of 5 acres. The short access road was walked in zigzag transects centered on the flagged centerline to cover a swath 200 feet wide.

9. Linear Miles Surveyed 0.3 \_\_\_\_\_  
and/or  
Definable Acres Surveyed 5 \_\_\_\_\_  
and/or  
Legally Undefinable Acres Surveyed \_\_\_\_\_

10. Inventory Type I

I=Intensive  
S=Statistical

11. Description of Findings (attach appendices, if appropriate)  
See attached report.

12. Number Sites found 0 \_\_\_\_\_  
(No sites = 0)

13. Collection N  
(Y=Yes N=No)

14. Actual/Potential National Register Properties Affected: None.

15. Literature Search, Location/Date: BLM Vernal Field Office / May 31, 2000

16. Conclusion/Recommendations: No significant historic properties were identified.  
Archaeological clearance is recommended.

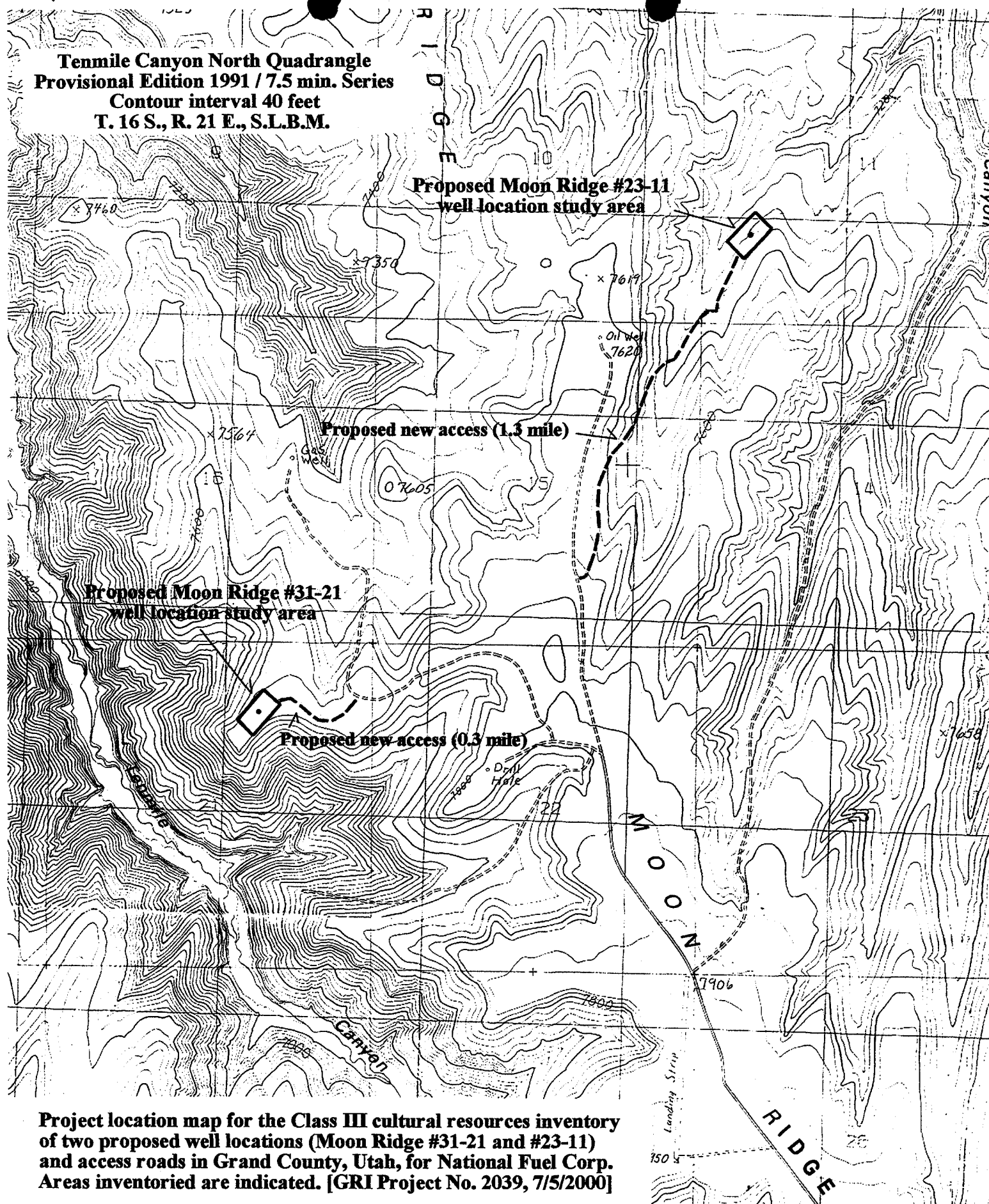
17. Signature of Administrator & Field Supervisor: Administrator Carl E. Conner  
Carl E. Conner

Field Supervisor \_\_\_\_\_

\*For extra locations use additional 8100-3 forms

UT 8100-3  
(2/85)

**Tenmile Canyon North Quadrangle  
Provisional Edition 1991 / 7.5 min. Series  
Contour interval 40 feet  
T. 16 S., R. 21 E., S.L.B.M.**



**Project location map for the Class III cultural resources inventory of two proposed well locations (Moon Ridge #31-21 and #23-11) and access roads in Grand County, Utah, for National Fuel Corp. Areas inventoried are indicated. [GRI Project No. 2039, 7/5/2000]**

13. Lessee's or Operator's Representative and Certification

Representative:

Name: J. C. Brothers

Title: Sr. Geologist, National Fuel Corporation

Address: 5000 S. Quebec, Suite 640  
Denver, CO 80237

Phone Number: (303) 220-7772

Certification:

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route; that I am familiar with the conditions which currently exist; that the statements made in this APD package are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed by National Fuel Corporation and its contractors and subcontractors in conformity with this APD package and the terms and conditions under which it is approved. I also certify responsibility for the operations conducted on that portion of the leased lands associated with this application, with bond coverage being provided under BLM bond no. 04021517. This statement is subject to the provisions of 18 U.S.C. § 1001 for the filing of a false statement.

J. C. Brothers  
Signature

Sr. Geologist  
Title

6/12/2000  
Date

3 copies sent to

Margie Herrmann  
Legal Instruments Examiner  
BLM, Vernal

6/29/2000

JCB

Attachment to:

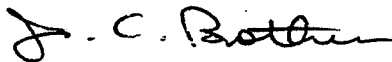
Application for Permit to Drill

Well: Moon Ridge Federal #31-21 X

NWNE, Sec. 21, T16S, R21E

Lease No. U-72365

Please be advised that NATIONAL FUEL CORPORATION is considered to be the operator of the above captioned well, and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond coverage is provided by BLM Utah Statewide Blanket Bond #04021517 in the name of National Fuel Corporation.



J. C. Brothers  
Senior Geologist  
National Fuel Corporation  
5000 S. Quebec St., #640  
Denver, CO 80237  
Ph 303-220-7772



### C. REQUIRED APPROVALS, REPROTS AND NOTIFICATIONS

Building Location – Contact the Resource Area, Natural Resource Protection Specialist at least 48 hours prior to commencing construction of location.

Spud – The spud date will be reported to the Resource Area Office 24 hours prior to spudding. Written notification in the form of a Sundry Notice (Form 3160-5) will be submitted to the District Office within 24 hours after spudding, regardless of whether spud was made with a dry hole digger or big rig.

Daily Drilling Reports – Daily drilling reports shall detail the progress and status of the well and shall be submitted to the District Office on a weekly basis.

Monthly Reports of Operations – In accordance with Onshore Oil and Gas Order No. 1, this well shall be reported on Minerals Management Service (MMS) Form 3160, "Monthly Report of Operations," starting the month in which operations commence and continuing each month until the well is physically plugged and abandoned. This report will be filed directly with MMS.

Sundry Notices – There will be no deviation from the proposed drilling and/or workover program without prior approval. "Sundry Notices and reports on Wells" (Form 3160-5) will be filed for approval for all changes of plans and other operations in accordance with 43 CFR § 3162.3-2. Safe drilling and operating practices must be observed.

Drilling Suspensions – Operations authorized by this permit shall not be suspended for more than 30 days without prior approval of the Authorized Officer. All conditions of this approval shall be applicable during any operations conducted with a replacement rig.

Undesirable Events – Spills, blowouts, fires, leaks, accidents, or any other unusual occurrences shall be immediately reported to the Resource Area in accordance with requirements of NTL-3A.

Cultural Resources – If cultural resources are discovered during construction, work that might disturb the resources is to stop, and the area Manager is to be notified.

First Production – Should the well be successfully completed for production, the District Office will be notified when the well is placed in producing status. Such notification may be made by phone, but must be followed by a sundry notice or letter not later than five (5) business days following the date on which the well is placed into production.

A first production conference will be scheduled as soon as the productivity of the well is apparent. This conference should be coordinated through the Resource Area Office. The Resource Area Office shall be notified prior to the first sale.

Well Completion Report – Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (Form 3160-4) will be submitted to the District Office not later than thirty (30) days after completion of the well or after completion of operations being performed, in accordance with 43 CFR § 3162.4-1. Two copies of all logs, core

descriptions, core analyses, well test data, geologic summaries, sample description, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, will be filed with Form 3160-4. When requested, samples (cuttings and/or samples) will be submitted to the District Office.

Venting/Flaring of Gas – Gas produced from this well may not be vented/flared beyond an initial, authorized test period of 30 days or 50 MMcf, whichever first occurs, without the prior, written approval of the District Office. Should gas be vented or flared without approval beyond the authorized test period, the well may be ordered shut-in until the gas can be captured or approval to continue the venting/flaring as uneconomical is granted. In such case, compensation to the lessor shall be required for that portion of the gas that is vented/flared without approval and which is determined to have been avoidably lost.

Produced Water – Produced waste water may be confined to an unlined pit for a period not to exceed 90 days after initial production. During the 90 day period, an application for approval of a permanent disposal method and location, along a water analysis, if required, will be submitted to the District Office for approval pursuant Onshore Oil and Gas Order No. 7.

Off-Lease Measurement, Storage, Commingling – Prior approval must be obtained from the District Office for off-lease measurement, off-lease storage and/or commingling (either down-hole or at the surface).

Plugging and Abandonment – If the well is completed as a dry hole, plugging instructions must be obtained from the District Office prior to initiating plugging operations.

A "Subsequent Report of Abandonment" (Form 3160-5) will be filed with the District Office, within thirty (30) days following plugging and abandonment of the well. This report will indicate where plugs were placed and the current status of surface restoration. Upon completion of approved plugging, a regulation marker will be erected in accordance with 43 CFR § 3162.6. Final abandonment will not be approved until the surface reclamation work required by the approved APD or approved abandonment notice has been completed to the satisfaction of the Area Manager or his representative, or the appropriate surface managing agency.



State of Utah  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF WATER RIGHTS

Michael O. Leavitt  
Governor

Kathleen Clarke  
Executive Director

Robert L. Morgan  
State Engineer

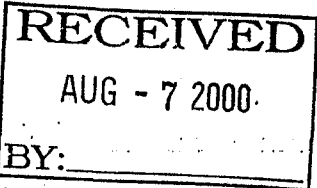
Eastern Area

State/County Building

152 East 100 North

Vernal, Utah 84078-2110

435-781-5327



October 8, 1999

Burt & Christine DeLambert  
P.O. Box 607  
Vernal, UT 84078

RE: Temporary Change: t23779  
Water Right No.: 49-1223

Dear Mr. & Mrs. DeLambert:

The above numbered Temporary Change Application has been approved, subject to prior rights. The application is being made to change 8.4 acre feet (or 0.015cfs) of water for oil well drilling and service work from September 30, 1999 to September 29, 2000.

This temporary change application will permanently lapse one year from the date of this letter.

Sincerely,

Robert W. Leake, P.E.-  
Regional Engineer

for

Robert L. Morgan, P.E.  
State Engineer

RWL:ac

# APPLICATION FOR TEMPORARY CHANGE OF WATER

## STATE OF UTAH

Rec. by \_\_\_\_\_

Fee Paid \$ \_\_\_\_\_

Receipt # \_\_\_\_\_

Microfilmed \_\_\_\_\_

Roll # \_\_\_\_\_

For the purpose of obtaining permission to make a temporary change of water in the State of Utah, application is hereby made to the State Engineer, based upon the following showing of facts, submitted in accordance with the requirements of Section 73-3-3 Utah Code Annotated 1953, as amended.

CHANGE APPLICATION NUMBER: t23779

WATER RIGHT NUMBER: 49 - 1223

\*\*\*\*\*

This Change Application proposes to change the POINT(S) OF DIVERSION, PLACE OF USE, and NATURE OF USE.

\*\*\*\*\*

### 1. OWNERSHIP INFORMATION.

A. NAME: Burt & Christine DeLambert  
ADDRESS: Box 607, Vernal, UT 84078

INTEREST: 100%

B. PRIORITY OF CHANGE: September 27, 1999

FILING DATE: September 27, 1999

C. EVIDENCED BY:

\*-----\*  
\* DESCRIPTION OF CURRENT WATER RIGHT: \*  
\*-----\*

### 2. SOURCE INFORMATION.

A. QUANTITY OF WATER: 0.015 cfs OR 8.4 acre-feet

B. SOURCE: Unnamed Spring Stream

COUNTY: Grand

C. POINT OF DIVERSION -- SURFACE:

(1) S 550 feet E 2290 feet from W¼ corner, Section 6, T 16S, R 23E, SLBM  
DIVERT WORKS: pump & pipe

### 3. WATER USE INFORMATION.

STOCKWATERING: from Jan 1 to Dec 31.

EQUIVALENT LIVESTOCK UNITS: 300.

\*-----\*

*National  
Soil Corp  
J.C. Thompson  
5000 So. Quebec St  
Denver  
80237  
#640*

Temporary Change

4. PLACE OF USE. (Which includes all or part of the following legal subdivisions:)

BASE TOWN RANG SEC	NORTH-WEST¼				NORTH-EAST¼				SOUTH-WEST¼				SOUTH-EAST¼			
	NW	NE	SW	SE	NW	NE	SW	SE	NW	NE	SW	SE	NW	NE	SW	SE
SL 16S 23E 6		X			***				***				***			

THE FOLLOWING CHANGES ARE PROPOSED:

5. SOURCE INFORMATION.

A. QUANTITY OF WATER: 0.015 cfs

REMAINING WATER: Same as HERETOFORE

B. SOURCE: Unnamed spring

COUNTY: Grand

C. POINT OF DIVERSION -- SURFACE: Changed as Follows:

(1) S 550 feet E 2290 feet from W¼ corner, Section 6, T 16S, R 23E, SLBM  
 DIVERT WORKS: Small Pond W/ Pump & Pipe  
 SOURCE: Unnamed spring

D. COMMON DESCRIPTION: 65 miles south of Jensen

6. WATER USE INFORMATION. Changed as Follows:

OIL EXPLORATION from 09/30/1999 to 09/29/2000 Oil well drilling and service work

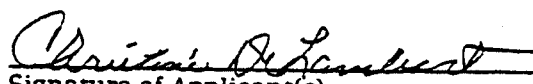
7. PLACE OF USE. Changed as Follows:

(Which includes all or part of the following legal subdivisions:)

BASE TOWN RANG SEC	NORTH-WEST¼				NORTH-EAST¼				SOUTH-WEST¼				SOUTH-EAST¼			
	NW	NE	SW	SE	NW	NE	SW	SE	NW	NE	SW	SE	NW	NE	SW	SE
SL 16S 23E	Entire TOWNSHIP															

8. SIGNATURE OF APPLICANT(S).

The undersigned hereby acknowledges that even though he/she/they may have been assisted in the preparation of the above-numbered application, through the courtesy of the employees of the Division of Water Rights, all responsibility for the accuracy of the information contained herein, at the time of filing, rests with the applicant(s).

  
 Signature of Applicant(s)



# NATIONAL FUEL CORPORATION

## MOON RIDGE #31-21

LOCATED IN GRAND COUNTY, UTAH  
SECTION 21, T16S, R21E, S.L.B.&M.

*loc. chg 11-29-01 Jc*



PHOTO: VIEW OF LOCATION STAKE

CAMERA ANGLE: NORTHWESTERLY



PHOTO: BEGINNING OF PROPOSED ACCESS

CAMERA ANGLE: SOUTHWESTERLY



- Since 1964 -

**UELS** Uintah Engineering & Land Surveying  
85 South 200 East Vernal, Utah 84078  
435-789-1017 uels@uelsinc.com

### LOCATION PHOTOS

**5** **12** **00**  
MONTH DAY YEAR

PHOTO

TAKEN BY: K.K.

DRAWN BY: C.G.

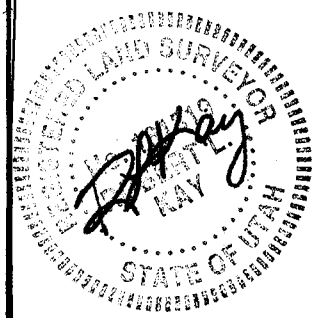
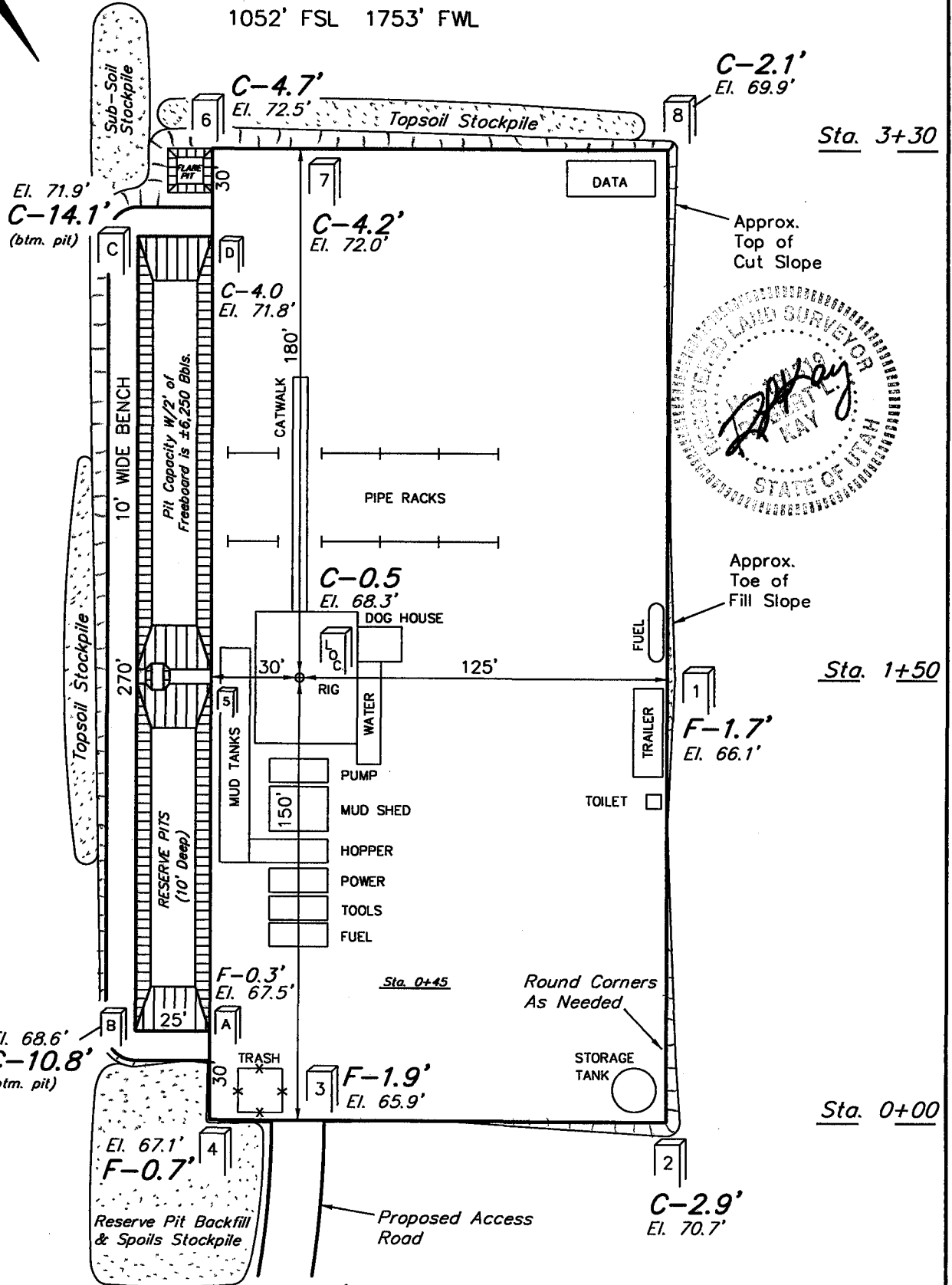
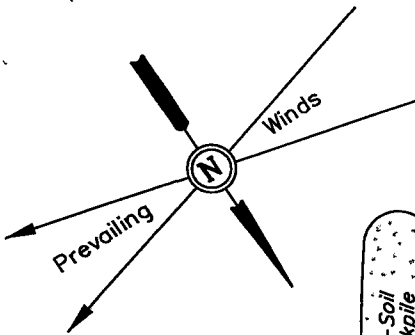
REVISED: 00-00-00

# NATIONAL FUEL CORPORATION

## LOCATION LAYOUT FOR

MOON RIDGE #31-21  
SECTION 21, T16S, R21E, S.L.B.&M.  
1052' FSL 1753' FWL

SCALE: 1" = 50'  
DATE: 5-15-00  
Drawn By: D.COX



**NOTE:**  
Flare Pit is to be located a min. of 100' from the Well Head.

Elev. Ungraded Ground at Location Stake = 7768.3'  
Elev. Graded Ground at Location Stake = 7767.8'

UINTAH ENGINEERING & LAND SURVEYING  
85 So. 200 East • Vernal, Utah 84078 • (435) 789-1017

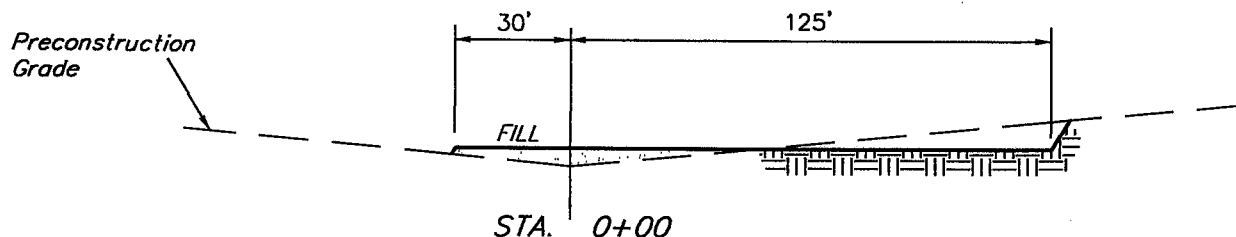
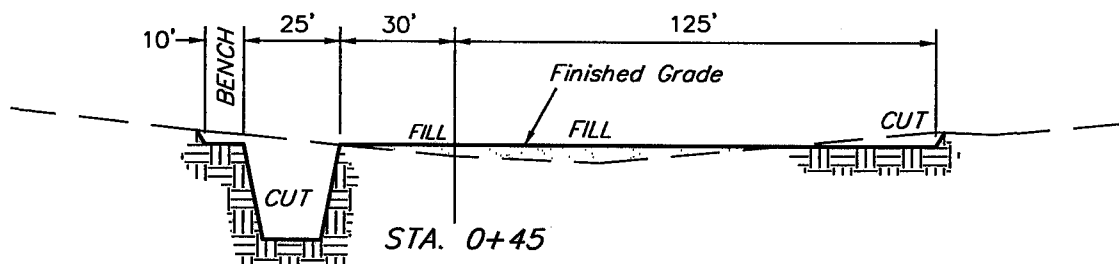
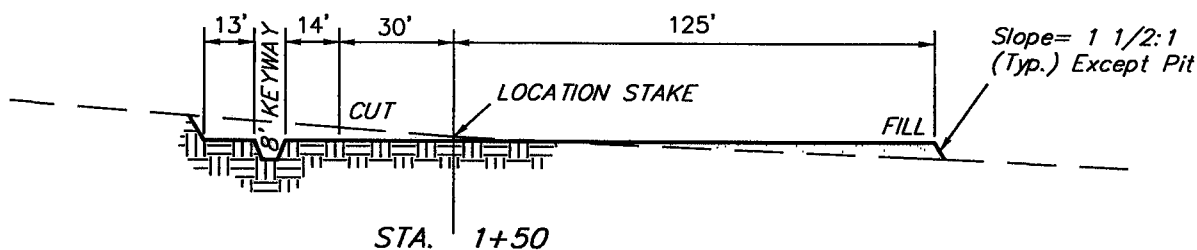
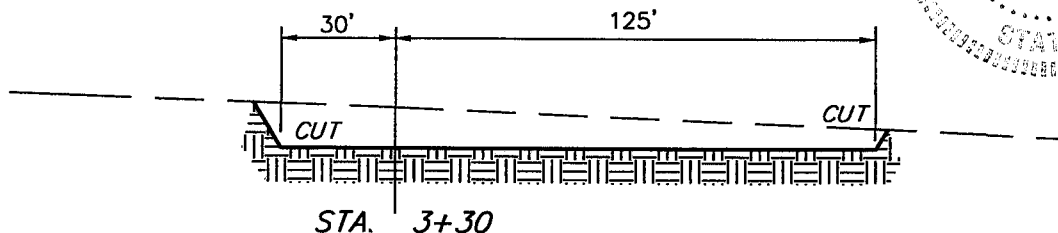
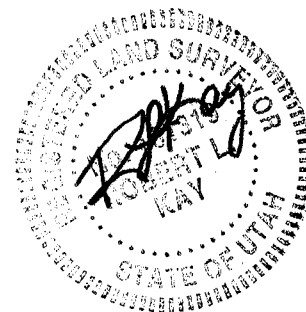
1" = 20'  
X-Section  
Scale  
1" = 50'

DATE: 5-15-00  
Drawn By: D.COX

# NATIONAL FUEL CORPORATION

## TYPICAL CROSS SECTIONS FOR

MOON RIDGE #31-21  
SECTION 21, T16S, R21E, S.L.B.&M.  
1052' FSL 1753' FWL



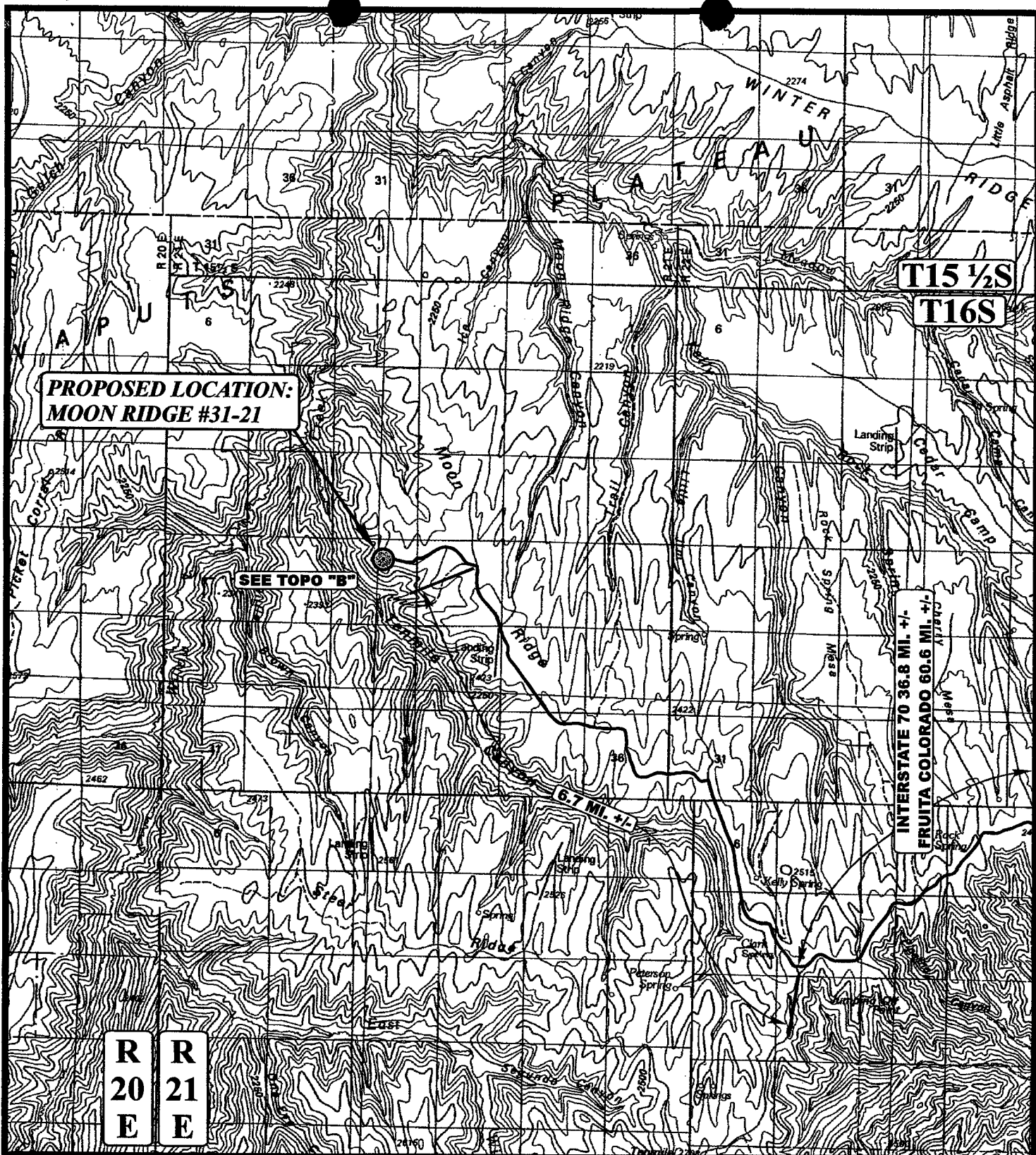
### APPROXIMATE YARDAGES

(6") Topsoil Stripping = 1,140 Cu. Yds.  
Remaining Location = 3,860 Cu. Yds.  
TOTAL CUT = 5,000 CU.YDS.  
FILL = 1,160 CU.YDS.

EXCESS MATERIAL AFTER  
5% COMPACTION = 3,780 Cu. Yds.  
Topsoil & Pit Backfill  
(1/2 Pit Vol.) = 2,020 Cu. Yds.  
EXCESS UNBALANCE  
(After Rehabilitation) = 1,760 Cu. Yds.

UINTAH ENGINEERING & LAND SURVEYING  
85 So. 200 East • Vernal, Utah 84078 • (435) 789-1017





# **LEGEND:**

 **PROPOSED LOCATION**

**N**



## **NATIONAL FUEL CORPORATION**

**MOON RIDGE #31-21**  
**SECTION 21, T16S, R21E, S.L.B.&M.**  
**1052' FNL 1753' FEL**



**Uintah Engineering & Land Surveying**  
 85 South 200 East Vernal, Utah 84078  
 (435) 789-1017 \* FAX (435) 789-1813

**TOPOGRAPHIC**  
**MAP**

**5** **12** **00**  
 MONTH DAY YEAR

SCALE: 1:100,000 DRAWN BY: C.G. REVISED: 00-00-00

**A**  
**TOPO**



R  
21  
E

**PROPOSED LOCATION:  
MOON RIDGE #31-21**

**PROPOSED ACCESS 0.3 MI. +/-**

**0.9 MI. +/-**

**INTERSTATE 70 43.5 MI. +/-  
FRUITA COLORADO 67.3 MI. +/-**

**T16S**

**LEGEND:**

----- PROPOSED ACCESS ROAD  
————— EXISTING ROAD



**NATIONAL FUEL CORPORATION**

**MOON RIDGE #31-21  
SECTION 21, T16S, R21E, S.L.B.&M.  
1052' FNL 1753' FEL**



**Uintah Engineering & Land Surveying**  
85 South 200 East Vernal, Utah 84078  
(435) 789-1017 \* FAX (435) 789-1813

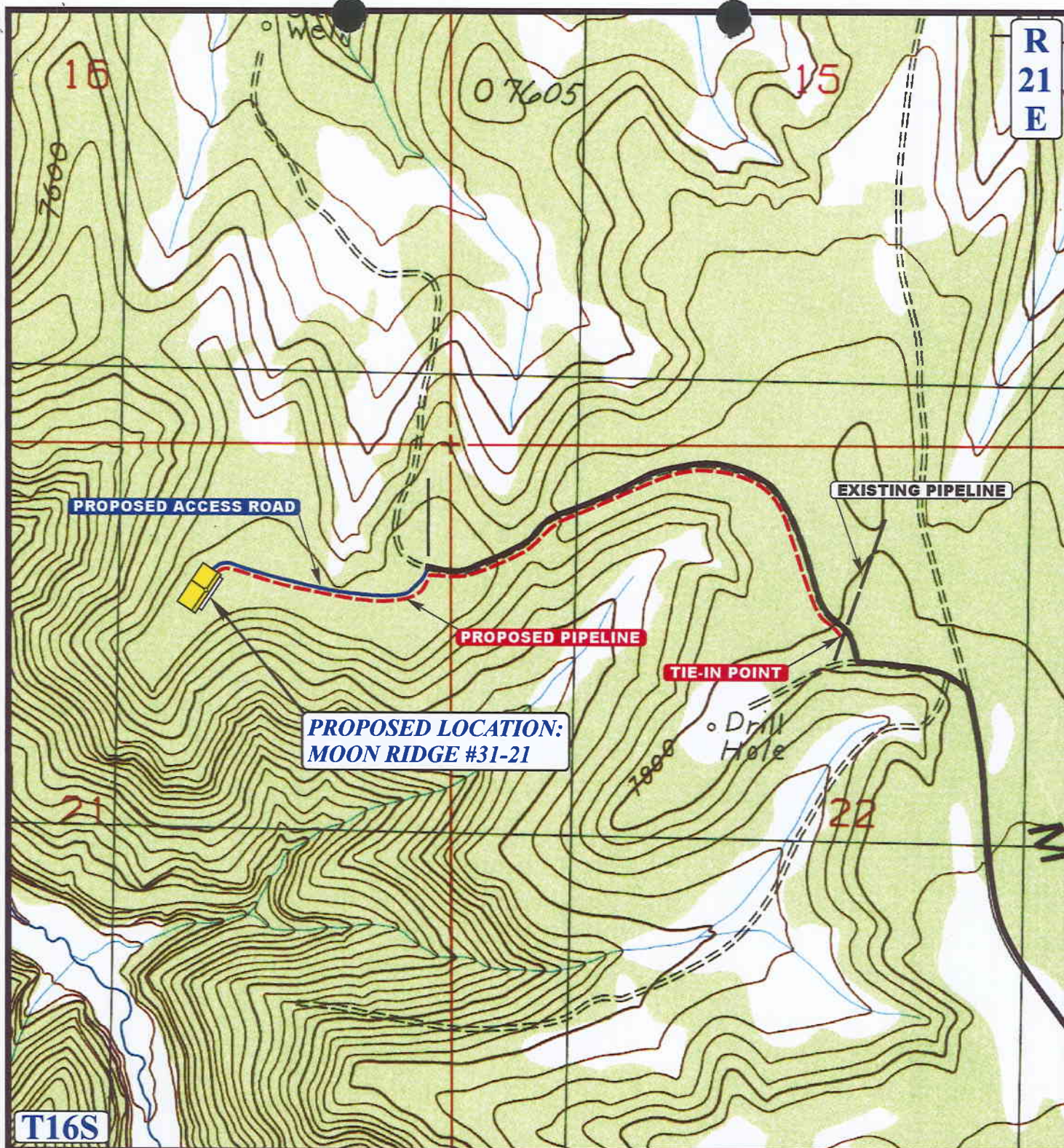
**TOPOGRAPHIC  
MAP**

**5 12 00**  
MONTH DAY YEAR

SCALE: 1" = 2000' DRAWN BY: C.G. REVISED: 00-00-00

**B  
TOPO**





**APPROXIMATE TOTAL PIPELINE DISTANCE = 5400' +/-**

**LEGEND:**

- EXISTING PIPELINE
- - - PROPOSED PIPELINE
- PROPOSED ACCESS

**NATIONAL FUEL CORPORATION**

**MOON RIDGE #31-21**

**SECTION 21, T16S, R21E, S.L.B.&M.**

**1052' FNL 1753' FEL**



**Uintah Engineering & Land Surveying**  
 85 South 200 East Vernal, Utah 84078  
 (435) 789-1017 \* FAX (435) 789-1813



**TOPOGRAPHIC  
MAP**

**5 12 00**  
 MONTH DAY YEAR

SCALE: 1" = 1000' DRAWN BY: C.G. REVISED: 00-00-00





UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICE AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT --" for such proposals  
SUBMIT IN TRIPLICATE

Type of Well  
Oil ☐ WELL Gas ☒ Well ☐ Other ☐  
Name of Operator  
EOG Resources, Inc.  
Address and Telephone No.  
P.O. BOX 250, BIG PINEY, WY 83113 (307) 276-3331  
Location of Well (Footage, Sec., T., R., M., or Survey Description)  
1052' FNL 1753' FEL (NW/NE)  
SECTION 21, T16S, R21E

Budget Bureau No. 1004-0135  
Expires September 30, 1990  
5. Lease Designation and Serial No.  
UTU 72365  
6. If Indian, Allottee or Tribe Name  
7. If Unit or C.A., Agreement Designation  
8. Well Name and No.  
MOON RIDGE FEDERAL 31-21X  
9. API Well No.  
10. Field and Pool or Exploratory Area  
STEPOUT MOON RIDGE/CDR MTN/DAKOTA  
11. County State  
GRAND, UTAH

2. CHECK APPROPRIATE BOX(es) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION	
<input checked="" type="checkbox"/> NOTICE OF INTENT	<input type="checkbox"/> ABANDONMENT	<input checked="" type="checkbox"/> CHANGE OF PLANS
<input type="checkbox"/> SUBSEQUENT REPORT	<input type="checkbox"/> RECOMPLETION	<input type="checkbox"/> NEW CONSTRUCTION
<input type="checkbox"/> FINAL ABANDONMENT NOTICE	<input type="checkbox"/> PLUGGING BACK	<input type="checkbox"/> NON-ROUTINE FRACTURING
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> ALTERING CASING	<input type="checkbox"/> CONVERSION TO INJECTION
	<input type="checkbox"/> OTHER	

(Note: Report results of multiple completion on Well Completions or Recompletion Report and Log Form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details and give pertinent dates, including estimated date of starting any proposed work if well is directionally drilled give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work).

EOGR is proposing to drill a replacement well for the Moon Ridge 31-21. The replacement well is the Moon Ridge 31-21X and is located at 1077 FNL, & 1770 FEL. The wellbore configuration will be as follows: (Survey plat attached)

SIZE OF HOLE	SIZE OF CASING	WT/FT	SETTING DEPTH	CEMENT
14-3/4"	10-3/4"	40.5# J-55	300'	250 sx Class "G" cement.
9-7/8"	7"	23.0# J-55	6,000'	350 sx Light weight cement &
				350 sx 50/50 Pozmix.
6-1/8"	4-1/2"	11.6# N-80	10,100'	150 sx 50/50 Pozmix.

CONDITIONS OF APPROVAL ATTACHED

\*NOTE: EOG Resources, Inc. will be using Nationwide Bond #NM 2308

14. I hereby certify that the foregoing is true and correct

SIGNED [Signature] TITLE Agent DATE 6/29/2001

(This space for Federal or State office use)

APPROVED BY [Signature] Petroleum Engineer DATE JUN 29 2001

CONDITIONS OF APPROVAL, IF ANY:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations or to any matter within its jurisdiction.

OPERATOR

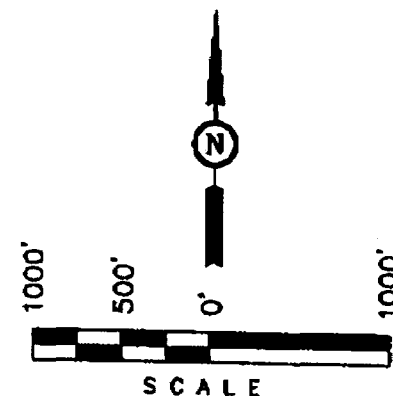
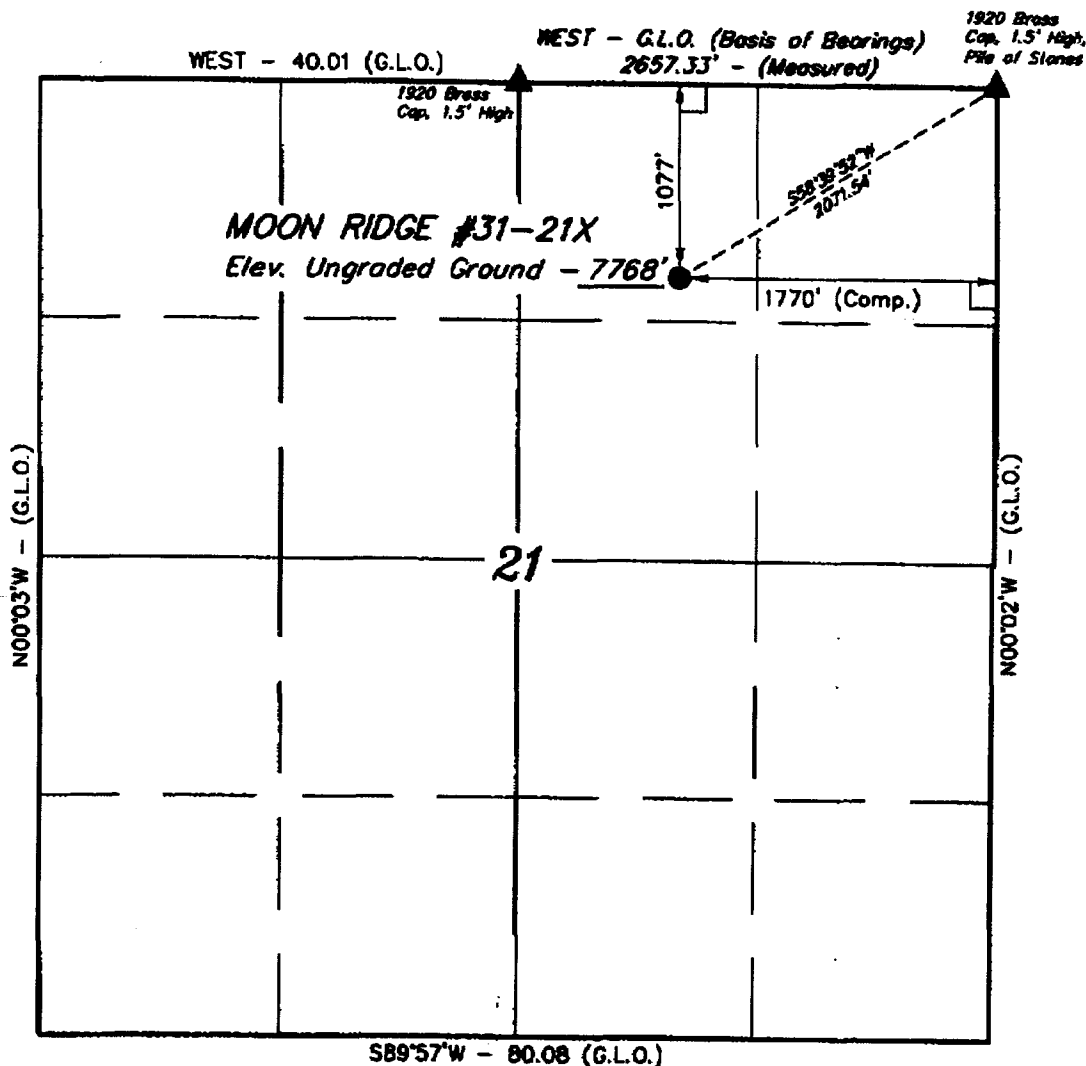
T16S, R21E, S.L.B.&M.

# NATIONAL FUEL CORPORATION

Well Location, MOON RIDGE #31-21X, located as shown in the NW 1/4 NE 1/4 of Section 21, T16S, R21E, S.L.B.&M. Grand County, Utah.

## BASIS OF ELEVATION

SPOT ELEVATION AT AN OIL WELL LOCATED IN THE NE 1/4 OF SECTION 15, T16S, R21E, S.L.B.&M. TAKEN FROM THE TENMILE CANYON NORTH QUADRANGLE, UTAH, GRAND COUNTY, 7.5 MINUTE SERIES (TOPOGRAPHICAL MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAND ELEVATION IS MARKED AS BEING 7620 FEET.



## CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

*Robert H. Cox*  
REGISTERED LAND SURVEYOR  
REGISTRATION NO. 161319  
STATE OF UTAH

REVISED: 6-29-01 D.COX

**UINTAH ENGINEERING & LAND SURVEYING**  
85 SOUTH 200 EAST - VERNAL, UTAH 84078  
(436) 789-1017

## LEGEND:

- └ = 90° SYMBOL
- = PROPOSED WELL HEAD.
- ▲ = SECTION CORNERS LOCATED.

LATITUDE = 39°24'21" (39.405833)  
LONGITUDE = 109°36'14" (109.603889)

SCALE 1" = 1000'	DATE SURVEYED: 4-28-00	DATE DRAWN: 5-15-00
PARTY K.K. B.H. G.S. D.COX	REFERENCES G.L.O. PLAT	
WEATHER WARM	FILE NATIONAL FUEL CORPORATION	

**EOG Resources, Inc.  
Drilling Replacement Notice of Intent**

**Well: 31-21X**

**Location: NWE Sec. 21 T6S, R21E**

**Lease: UTU 72365**

**CONDITIONS OF APPROVAL**

1. All of the Conditions of Approval identified in the original Moon Ridge 31-21 well are still applicable unless specifically addressed and modified in this document
2. No additional surface disturbance is to occur without prior approval from this office.
3. As a minimum, the usable water resources shall be isolated and/or protected by having a cement top for the intermediate casing at least 200 ft. above the top of the Wasatch formation, identified at 2,015 ft. The production casing will be cemented to at least 200 ft above the top of the Dakota formation, identified at 5,858 ft. If gilsonite is encountered while drilling, it shall be isolated and/or protected via the cementing program.



# State of Utah

DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt  
Governor

Kathleen Clarke  
Executive Director

Lowell P. Braxton  
Division Director

1594 West North Temple, Suite 1210

PO Box 145801

Salt Lake City, Utah 84114-5801

801-538-5340

801-359-3940 (Fax)

801-538-7223 (TDD)

July 2, 2001

EOG Resources, Inc.  
PO Box 250  
Big Piney, WY 83113

Re: Moon Ridge Federal 31-21X Well, 1077' FNL, 1770' FEL, NW NE, Sec. 21, T. 16 South,  
R. 21 East, Grand County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. § 40-6-1 *et seq.*, Utah Administrative Code R649-3-1 *et seq.*, and the attached Conditions of Approval, approval to drill the referenced well is granted.

Appropriate information has been submitted to DOGM and administrative approval of the requested exception location is hereby granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-019-31387.

Sincerely,

John R. Baza  
Associate Director

er

Enclosures

cc: Grand County Assessor  
Bureau of Land Management, Moab District Office

**Operator:** EOG Resources, Inc.  
**Well Name & Number** Moon Ridge Federal 31-21X  
**API Number:** 43-019-31387  
**Lease:** UTU 72365

**Location:** NW NE      **Sec.** 21      **T.** 16 South      **R.** 21 East

### **Conditions of Approval**

**1. General**

Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

**2. Notification Requirements**

Notify the Division within 24 hours of spudding the well.

- Contact Carol Daniels at (801) 538-5284.

Notify the Division prior to commencing operations to plug and abandon the well.

- Contact Dan Jarvis at (801) 538-5338

**3. Reporting Requirements**

All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

**4. State approval of this well does not supersede the required federal approval, which must be obtained prior to drilling.**



DIVISION OF OIL, GAS AND MINING

OPERATOR: EOG Resources, Inc.

OPERATOR ACCT. NO. N9550

ADDRESS: P.O. BOX 250

FAX: JIM THOMPSON

ENTITY ACTION FORM - FORM 5

BIG PINEY, WYOMING 83113

(801) 359-3940

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	LOCATION				COUNTY	SPUD DATE	EFFECTIVE DATE
					QR	SEC.	TP	RG			
A	99999	13279	43-019-3138 <sup>7</sup>	MOON RIDGE FED. 31-21X	NW/NE	21	16S	21E	GRAND	7/01/2001	9-4-01
1 COMMENTS: 9-4-01											
A	99999	13273	43-047-34073	EAST CHAPITA 800-16	NE/SW	16	9S	23E	UINTAH	8/7/2001	8-29-01
2 COMMENTS: 8-29-01 CONFIDENTIAL											
3 COMMENTS:											
4 COMMENTS:											
5 COMMENTS:											

ACTIONS CODES (See instructions on back of form)

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (explain in comments section)

NOTE: Use COMMENT section to explain why each Action Code was selected.

(3/89)

STATE OF UTAH

*Ruby Carlson*  
 Signature  
 Regulatory Analyst  
 Title

7/29/2001

Date

Phone No.

(307) 276-3331

RECEIVED

SEP 04 2001

DIVISION OF  
OIL, GAS AND MINING

OPERATOR ACCT. NO. N

Sep-04-01 08:12am

From-EOG - BIG PINEY, WY.

3072763335

T-817 P. 02/02 F-823

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.  
Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such proposals.

1. Type of Well: OIL ☐ GAS ☒ OTHER:

2. Name of Operator:

NATIONAL FUEL CORPORATION

3. Address and Telephone Number:

7720 E. Bellevue Ave. Suite B-300; Englewood CO 80111 (303)220-7772

4. Location of Well

Footages: 1052' FNL - 1753' FEL (NW/NE)

QQ, Sec., T., R., M.:

SECTION 21, T16S, R21E

5. Lease Designation and Serial Number:

UTU 72365

6. If Indian, Allottee or Tribe Name:

7. Unit Agreement Name:

8. Well Name and Number

MOONRIDGE FEDERAL 31-21X

9. API Well Number:

43-019-31381 7

10. Field and Pool, or Wildcat:

STEPOUT MOON RIDGE/CDR MTN/DAKOTA

11 **CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

**NOTICE OF INTENT**

(Submit in Duplicate)

- |  |   |
|--|---|
| <input type="checkbox"/> Abandon                                 | <input type="checkbox"/> New Construction     |
| <input type="checkbox"/> Repair Casing                           | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans                         | <input type="checkbox"/> Recomplete           |
| <input type="checkbox"/> Convert to Injection                    | <input type="checkbox"/> Reperforate          |
| <input type="checkbox"/> Fracture Treat or Acidize               | <input type="checkbox"/> Vent or Flare        |
| <input type="checkbox"/> Multiple Completion                     | <input type="checkbox"/> Water Shut-Off       |
| <input checked="" type="checkbox"/> Other <u>CHANGE OPERATOR</u> |   |

Approximate date work will start \_\_\_\_\_

**SUBSEQUENT REPORT**

(Submit Original Form Only)

- |  |   |
|--|---|
| <input type="checkbox"/> Abandon *                 | <input type="checkbox"/> New Construction     |
| <input type="checkbox"/> Repair Casing             | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans           | <input type="checkbox"/> Reperforate          |
| <input type="checkbox"/> Convert to Injection      | <input type="checkbox"/> Vent or Flare        |
| <input type="checkbox"/> Fracture Treat or Acidize | <input type="checkbox"/> Water Shut-Off       |
| <input type="checkbox"/> Other _____               |   |

Date of work completion \_\_\_\_\_

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION REPORT AND LOG form.

\* Must be accompanied by a cement verification report.

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work).

Please be advised that National Fuel Corporation is now considered to be the operator of the Moon Ridge Federal 31-21X NW/NE of Section 21, Township 16 South, Range 21 East, Grand County, Utah, Lease UTU 72365 and is responsible under the terms and conditions of the Lease for the operations conducted upon the leased land. Bond coverage is provided by Statewide Bond #04021517.

*Per operator effective date 11-8-01*

**RECEIVED**

OCT 15 2001

DIVISION OF  
OIL, GAS AND MINING

13

Name & Signature Brenda K. Mayland *Brenda K Mayland* Title: Treasurer Date: 10/4/01

(This space for State use only)



# INSTRUCTIONS

**General:** This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

**Item 4:** If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

**Item 18:** Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.

**Items 22 and 24:** If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

**Item 29:** "none". Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

**Item 33:** Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

## PRIVACY ACT

The Privacy Act of 1974 and the regulation in 43 CFR 2.48(d) provide that you be furnished the following information in connection with information required by this application.

**AUTHORITY:** 30 U.S.C. 181 et. seq., 25 U.S.C. et. seq., 43 CFR 3160

**PRINCIPLE PURPOSE:** The information is to be used to evaluate the actual operations performed in the drilling of an oil or gas well on a Federal or Indian lease.

**ROUTINE USES:** (1) Evaluate the equipment and procedures used during the drilling of the well. (2) The review of geologic zones and formation encountered during drilling. (3) Analyze future applications to drill in light of data obtained and methods used. (4)(5) Information from the record and/or the record will be transferred to appropriate Federal, State, local or foreign agencies, when relevant to civil, criminal or regulatory investigations or prosecutions.

**EFFECT OF NOT PROVIDING INFORMATION:** Filing of this report and disclosure of its information is mandatory once an oil or gas well is drilled.

The Paperwork Reduction Act of 1980 (44 U.S.C. 3501, et. seq.) requires us to inform you that:

This information is being collected to allow evaluation of the technical, safety, and environmental factors involved with drilling and producing oil and gas on Federal and Indian oil and gas leases.

This information will be used to analyze operations and compare equipment and procedures actually used with the proposals applied for.

Response to this request is mandatory once an oil or gas well is drilled.

SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; core intervals; and an air-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries):				38. GEOLOGIC MARKERS		
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	TOP		
				NAME	MEAS. DEPTH	TRUE VERT. DEPTH
				Mancos	6161'	
				Dakota Silt	9722'	
				Dakota "B"	9828'	
				Cedar Mountain	9904'	
				Morrison	9981'	

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

**SUNDRY NOTICES AND REPORTS ON WELLS**  
*Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.*

FORM APPROVED  
OMB NO. 1004-0135  
Expires: November 30, 2000

5. Lease Serial No.  
UTU 72365

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No.  
MOON RIDGE FED. 31-21X

9. API Well No.  
43-019-31387

10. Field and Pool, or Exploratory  
STEPOUT MON RIDGE/CDR MTN/DAK

11. County or Parish, and State  
GRAND COUNTY, UT

**SUBMIT IN TRIPLICATE - Other instructions on reverse side.**

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator  
EOG RESOURCES, INC.

Contact: KATY CARLSON  
E-Mail: Kathleen\_Carlson@EOGResources.com

3a. Address  
P.O. BOX 250  
BIG PINEY, WY 83113

3b. Phone No. (include area code)  
Ph: 307.276.4842

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Sec 21 T16S R21E NWNE 1052FNL 1753FEL

**12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION				
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off	
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity	
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other	
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	Production Start-up	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal		

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Please be advised that National Fuel Corporation is now considered to be the operator of the Moon Ridge Federal 31-21X well and is responsible under the terms and conditions of the Lease for the operations conducted upon the leased land. All further correspondence should be directed to National Fuel Corporation, 5000 South Quebec, Suite #640, Denver, Colorado 80237.

14. I hereby certify that the foregoing is true and correct.

**Electronic Submission #8206 verified by the BLM Well Information System  
For EOG RESOURCES, INC., sent to the Vernal**

Name (Printed/Typed) KATY CARLSON

Title AGENT

Signature (Electronic Submission)

Date 10/24/2001

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

**RECEIVED**

Approved By

Title

OCT 30 2001  
Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

**DIVISION OF  
OIL, GAS AND MINING**

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

**\*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\***

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals

**SUBMIT IN TRIPLICATE**

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

NATIONAL FUEL CORPORATION

3. Address and Telephone No.

7720 E. BELLEVUE AVE; SUITE B-300; ENGLEWOOD, CO 80111 (303)220-7772

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

1052' FNL 1753' FEL (NW/NE)  
SECTION 21, T16S, R21E

5. Lease Designation and Serial No.

UTU 72365

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

MOON RIDGE FEDERAL 31-21X

9. API Well No.

43-019-3138 7

10. Field and Pool, or Exploratory Area

STEPOUT MOON RIDGE/CDR MTN/DAKOTA

11. County or Parish, State

GRAND, UTAH

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☒ Notice of Intent  
☐ Subsequent Report  
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment  
☐ Recompletion  
☐ Plugging Back  
☐ Casing Repair  
☒ Altering Casing  
☐ Other

CHANGE OPERATOR

- ☐ Change of Plans  
☐ New Construction  
☐ Non-Routine Fracturing  
☐ Water Shut-Off  
☐ Conversion to Injection  
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form).

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work). \*

Please be advised that National Fuel Corporation is now considered to be the operator of the Moon Ridge Federal 31-21X NW/NE of Section 21, Township 16 South, Range 21 East, Grand County, Utah, Lease UTU 72365 and is responsible under the terms and conditions of the Lease for the operations conducted upon the leased land. Bond coverage is provided by Statewide Bond #04021517

RECEIVED

NOV 14 2001

DIVISION OF  
OIL, GAS AND MINING

RECEIVED

OCT 22 2001

RECEIVED  
MOAB FIELD OFFICE  
2001 OCT 15 P 1:10  
DEPT OF THE INTERIOR  
BUREAU OF LAND MGMT

14. I hereby certify that the foregoing is true and correct.

Signed Brenda K. Mayhew Title

Treasurer

Date 10/4/01

(This space for Federal or State office use)

Approved by Edwin J. Brown Title

Petroleum Engineer

Date NOV 08 2001

Conditions of approval, if any:

Title 18 U.S.C., Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\* See Instructions on Reverse Side

DDG/m



## United States Department of the Interior

### BUREAU OF LAND MANAGEMENT

Vernal District Office

170 South 500 East

Vernal, Utah 84078-2799

<http://www.blm.gov/utah/vernal>

Phone: (801) 781-4400

Fax: (801) 781-4410

IN REPLY REFER TO:

3162.3

UT08300

November 8, 2001

National Fuel Corporation  
7720 E. Belleview Ave., Suite B-300  
Englewood CO 80111

Re: Moon Ridge Federal 31-21X  
NWNE, Sec. 21, T16S, R21E  
Grand County, Utah  
Lease No. UTU-72365

Gentlemen:

This correspondence is in regard to the self-certification statement submitted requesting a change in operator for the referenced well. After a review by this office, the change in operator request is approved. Effective immediately, National Fuel Corp. is responsible for all operations performed on the referenced well. All liability will now fall under your bond, BLM Bond No. UT1183, for all operations conducted on the referenced well on the leased land.

If you have any other questions concerning this matter, please contact Leslie Walker of this office at (435) 781-4400.

Sincerely,

Edwin I. Forsman  
Petroleum Engineer

cc: DOGM - Jim Thompson

**RECEIVED**

NOV 14 2001

DIVISION OF  
OIL, GAS AND MINING

## OPERATOR CHANGE WORKSHEET

## ROUTING

1. GLH		4-KAS
2. CDW	✓	5-LP
3. JLT		6-FILE

Enter date after each listed item is completed

**X Change of Operator (Well Sold)**

Designation of Agent

Operator Name Change (Only)

Merger

The operator of the well(s) listed below has changed, effective: **11-08-2001****FROM:** (Old Operator):

EOG RESOURCES INC

Address: P O BOX 250

BIG PINEY, WY 83113

Phone: 1-(307)-276-4842

Account N9550

**TO:** ( New Operator):

NATIONAL FUEL CORPORATION

Address: 7720 E BELLEVIEW AVE, STE B-300

ENGLEWOOD, CO 80111

Phone: 1-(303)-220-7772

Account N8060

CA No.

Unit:

**WELL(S)**

NAME	API NO	ENTITY NO	SEC TWN RNG	LEASE TYPE	WELL TYPE	WELL STATUS
MOON RIDGE FEDERAL 31-21X	43-019-31387	13279	21-16S-21E	FEDERAL	GW	S

**OPERATOR CHANGES DOCUMENTATION**

1. (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 10/30/2001
2. (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 10/15/2001
3. The new company has been checked through the **Department of Commerce, Division of Corporations Database** on: 11/14/2001
4. Is the new operator registered in the State of Utah: YES Business Number: 966901-0143
5. If **NO**, the operator was contacted on: N/A
6. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the (merger, name change, or operator change for all wells listed on Federal or Indian leases on: 11/08/2001
7. **Federal and Indian Units:** The BLM or BIA has approved the successor of unit operator for wells listed on: N/A
8. **Federal and Indian Communization Agreements ("CA"):** The BLM or the BIA has approved the operator change for all wells listed involved in a CA on: N/A



9. **Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: N/A

---

**DATA ENTRY:**

1. Changes entered in the **Oil and Gas Database** on: 11/14/2001
2. Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 11/14/2001
3. Bond information entered in RBDMS on: N/A
4. Fee wells attached to bond in RBDMS on: N/A

---

**STATE BOND VERIFICATION:**

1. State well(s) covered by Bond No.: N/A

---

**FEDERAL BOND VERIFICATION:**

1. Federal well(s) covered by Bond No.: 4021517

---

**INDIAN BOND VERIFICATION:**

1. Indian well(s) covered by Bond No.: N/A

---

**FEE WELLS - BOND VERIFICATION/LEASE INTEREST OWNER NOTIFICATION:**

1. (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond No: N/A
2. The **FORMER** operator has requested a release of liability from their bond on: N/A  
The Division sent response by letter on: N/A
3. (R649-2-10) The **FORMER** operator of the Fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: \_\_\_\_\_

---

**FILMING:**

1. All attachments to this form have been **MICROFILMED** on: \_\_\_\_\_

---

**FILING:**

1. **ORIGINALS/COPIES** of all attachments pertaining to each individual well have been filled in each well file on: \_\_\_\_\_

---

**COMMENTS:**

---

---

---

---

---